

Punjab School Education Board



Syllabus -XI
Session 2020-21

SCHEME OF STUDIES FOR CLASS XI (SENIOR SECONDARY)

COMPULSORY SUBJECTS

1. General English
2. General Punjabi

Or

Punjab History and Culture

3. Environmental Education
4. Computer Science

ELECTIVE SUBJECTS

In addition to the compulsory subjects every candidate shall offer any one of the following groups:

Group I	Humanities
Group II	Science
Group III	Commerce
Group IV	Agriculture

(I) HUMANITIES GROUP

Every candidate shall offer any three elective subjects 5,6 and 7 from the following:

(i) Language (anyone)

- a. Punjabi (Elective)
- b. Hindi (Elective)
- c. English (Elective)
- d. Urdu

(ii) Classical/Foreign Language (anyone)

- (i) Sanskrit
- (ii) French
- (iii) German

- iii. History
- iv. Economics
- v. Mathematics
- vi. Business Studies-I
- vii. Accountancy-I
- viii. Political Science
- ix. Sociology
- x. Public Administration
- xi. Philosophy
- xii. Religion
- xiii. Music (Vocal)
- xiv. Gurmat Sangeet
- xv. Music (Instrumental)
- xvi. Music Dance (Tabla)
- xvii. Music Dance
- xviii. Philosophy
- xix. Geography
- xx. Defence Studies
- xxi. Psychology
- xxii. Home Science
- xxiii. Modeling and Sculpture
- xxiv. Commercial Art
- xxv. Drawing and Painting
- xxvi. Physical Education and Sport
- xxvii. Media Studies

(II) SCIENCE GROUP

Every candidate shall offer following three subjects.

1. Physics
2. Chemistry
3. Biology

Or

Mathematics

A candidate can offer an additional subject out of the following:

- (i) Geography
- (ii) Home Science
- (iii) Agriculture
- (iv) Biology

or

Mathematics

- (v) Computer Application
- (vi) Economics

(III) COMMERCE GROUP

Every candidate shall offer following three subjects.

1. Business Studies-I
2. Accountancy I
3. Economics

Or

Modern Office Practices

1. A candidate can also offer one additional subject out of the following:

- a. Computer Application
- b. Mathematics
- c. Economics **Or** Modern Office Practices

2. All the three Elective Subjects i.e. S.No. 1 to 3 are compulsory.
3. The syllabus of Computer Application will be the same as prescribed in the Science and Humanities Group.
4. The syllabus of Mathematics and Economics will be the same as prescribed in the Humanities Group.
5. The student who opts Economics in Class-XI as compulsory elective subject will have to opt Economics as compulsory elective subject in Class-XII also.
6. The student who opts Modern Office Practices in Class-XI as compulsory elective subject will have to opt Fundamentals of E-Business as compulsory elective subject in Class-XII.

(IV) AGRICULTURE GROUP

Every candidate shall offer any three subjects from the following:

5. Agriculture (Compulsory)

Every candidate shall offer any two subjects (6 and 7) from the following:

- (i) Physics
- (ii) Chemistry
- (iii) Economics
- (iv) Rural Development & Environment
- (v) Geography

A candidate can offer an additional subject out of the following:

- (a) Mathematics
- (b) Computer Application

Note:- The Syllabi in the subjects of Physics, Chemistry and Computer Application will be same as prescribed in the Science Group and that of Geography, Mathematics and Economics will be the same as in the Humanities Group.

CLASS-XI
GENERAL ENGLISH

Time: 3hrs

Theory: 80 Marks

IA: 20 Marks

(Listening and Speaking skills based practical: 18 marks)

Book bank: 2 marks)

Total: 100 Marks

SYLLABUS AND THE STRUCTURE OF QUESTION PAPER

SECTION A

READING COMPREHENSION

16 marks

1. This section will have two passages.
 - a. One unseen passage with a variety of Objective Type Questions, including Multiple Choice questions and Short Answer Questions to test comprehension, interpretation and inference. The length of this passage will be between 200 - 250 words. Six Multiple Choice type question and four Objective Type Questions (total 10 Marks) shall be asked from this passage.

10x1=10
 - b. Unseen passage for Comprehension. (passage of 150-200 words) followed by two M.C.Q, 2 single line comprehension questions, one question on fill in the blank (two), one question on match the words(two).

6x1=6

SECTION B

WRITING SKILLS, GRAMMAR & TRANSLATION

26 Marks

2. Message/Advertisement/ Note-making/Notice writing (to attempt any one out of the given two)

4 marks
3. Letter writing (only social/ personal) (one out of any two)

6 marks
4. a) Translation from English to Punjabi/Hindi (2 sentences out of 3)

2 marks

b) Translation from Punjabi/Hindi to English (2 sentences out of 3)

2 marks
5. Grammar items:
 - a. Determiners
 - b. Prepositions
 - c. Modals
 - d. Use of same word as noun, verb /adjective
 - e. Tenses
 - f. Removal & use of 'too'
 - g. Voice
 - h. Narration

2+1+1+1+1+2+2+2=12 Marks

SECTION C

LITERATURE TEXTBOOKS

38 Marks

6. It will consist of 6 objective type questions carrying one mark each. Objective type questions may include questions with one word to one sentence answer **or** fill in the blank **or** true/false **or** multiple choice type questions.
- a Lessons meant for intensive study 3×1=3
- b Lessons meant for extensive study 3×1=3
7. Comprehension question on a given stanza from poetry (4 questions including a question on name of the poet/poem/ Rhyme scheme / Simile / Metaphor / Personification/ Alliteration/ Imagery etc).(1 out of two given stanzas to be attempted) 4 marks
- b). Central idea of poem(1 out of 2.) 3 marks
8. Three(out of five) short answer questions of about 40 to 50 words from intensive study. 3×2=6
9. Two (out of four) short answer questions of about 40 to 50 words from extensive study. 2×2=4
10. Long answer questions on theme, incident, content, character etc. from intensive study 100 to 120 words) (with internal choice). 5 marks
11. Long answer type (100-120 words) question from extensive study on Character/incident/theme etc (with internal choice). 5 marks
12. Good Handwriting 5 marks

Listening and Speaking Skill Based Practical Exam -18 marks

Listening-10

Speaking-8

- For the listening test students will be given a practice sheet containing 10 questions. They will answer all the ten questions on the basis of an audio clip. Each question will carry 1 mark.
- For the speaking test students will speak 8 correct sentences on the basis of picture and cue words provided in the practice sheet. Each correct sentence will carry 1 mark.

SYLLABUS

SECTION A

LESSONS FOR INTENSIVE STUDY

1. Gender Bias
2. The Portrait of a Lady
3. Liberty and Discipline
4. A President Speaks
5. The Earth is not Ours

6. Let's Not Forget the Martyrs

7. Water- A True Elixir

8. No Time for Fear

SECTION B POETRY

1. Lines Written in Early Spring

2. Mother's Day

3. Upagupta

4. Confessions of A Born Spectator 8

5. The Little Black Boy

6. A Thing of Beauty is a Joy For Ever

SECTION C

LESSONS FOR EXTENSIVE STUDY

1. An Astrologer's Day

2. The Tiger in the Tunnel

3. Sparrows

4. The Model Millionaire

5. The Panch Parmeshwar

6. The Peasant's Bread

SECTION B

WRITING SKILLS, GRAMMAR & TRANSLATION

a. Preposition

b. Determiners

c. Use of the same word as noun, verb and adjective

d. Modals

e. Tenses

f. Removal and use of too

g. Voice

h. Narration

Composition

a. Note Making

b. Message Writing

c. Notice Writing

d. Advertisement Writing

e. Letter Writing (only social and personal)

The books prescribed & published by the Punjab School Education Board.

1. (General English XI) A Panorama of Life

2. English Grammar and Composition for XI and XII

Translation from English to Hindi/Punjabi and Translation from Hindi/Punjabi to English.

(From Chapter 18 The Art of Translation given in the book English Grammar And Composition for XI and XII)

Note:- Following two lessons & one poem have been deleted from the syllabus from academic session 2020-21 onwards.

1. Of Studies

2. The First Atom Bomb

3. Television

The book prescribed & published by the Punjab School Education Board.

1. (General English XI) A Panorama of Life

2. English Grammar and Composition for XI and XII

ਜਮਾਤ-11ਵੀਂ ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

ਸਮਾਂ: 3 ਘੰਟੇ

ਲਿਖਤੀ= 80 ਅੰਕ
ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ= 20 ਅੰਕ
ਕੁੱਲ ਅੰਕ= 100 ਅੰਕ

ਲੜੀ ਨੰ:	ਪਾਠ-ਕ੍ਰਮ	ਅੰਕ
1.	ਸੁੰਦਰ ਲਿਖਾਈ	05
1.	ਪੰਜਾਬੀ ਲੋਕ ਸਾਹਿਤ:- ਲੋਕ-ਗੀਤ ਅਤੇ ਲੋਕ-ਕਥਾਵਾਂ	27
2.	ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ:- ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ:-ਬੈਂਕ, ਰੇਲਵੇ, ਡਾਕ, ਕੰਪਿਊਟਰ ਤੇ ਬੀਮਾ ਸੇਵਾਵਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਵਾਕਾਂ ਵਿੱਚ ਵਰਤੋਂ	18
3.	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖਣ ਦਾ ਹੁਨਰ:- ਅਖ਼ਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ, ਇਸ਼ਤਿਹਾਰ, ਸੱਦਾ ਪੱਤਰ ਅਤੇ ਪੈਰਾ-ਰਚਨਾ	18
4.	ਮੁਹਾਵਰੇ	12
	ਕੁੱਲ ਅੰਕ	80

ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ

ਸਮਾਂ: 3 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ (ਲਿਖਤੀ)=80

ਨੋਟ:

- (1) 05 ਅੰਕ ਸੁੰਦਰ ਲਿਖਾਈ ਲਈ ਨਿਰਧਾਰਿਤ ਕੀਤੇ ਗਏ ਹਨ। ਇਹ ਅੰਕ ਇਸ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਕੁੱਲ ਅੰਕਾਂ-80 ਵਿੱਚ ਹੀ ਰਾਖਵੇਂ ਹਨ। ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਅੱਖਰਾਂ ਤੇ ਸ਼ਬਦਾਂ ਦਾ ਸਹੀ ਆਕਾਰ, ਸਪਸ਼ਟਤਾ, ਨਿਸ਼ਚਿਤ ਦੂਰੀ, ਲਿਖਣ 'ਚ ਇਕਸਾਰਤਾ, ਪ੍ਰਵਾਹਯੁਕਤ ਲੇਖਨ, ਸ਼ਬਦ-ਜੋੜ ਸੁੱਧਤਾ, ਸੁੰਦਰ ਸ਼ਬਦ-ਬਣਤਰ, ਵਿਸਰਾਮ-ਚਿੰਨ੍ਹਾਂ ਦੀ ਸਹੀ ਵਰਤੋਂ ਅਤੇ ਲਿਖਾਈ ਦੇ ਸਮੁੱਚੇ ਖੂਬਸੂਰਤ ਪ੍ਰਭਾਵ ਦੇ ਆਧਾਰ 'ਤੇ ਪਰੀਖਿਅਕ ਸੰਬੰਧਿਤ ਪਰੀਖਿਆਰਥੀ ਦੀ ਲਿਖਾਈ ਦਾ ਮੁਲਾਂਕਣ ਕਰੇਗਾ।
- (2) ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਕੁੱਲ 09 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
- (3) ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨੇ ਲਾਜ਼ਮੀ ਹੋਣਗੇ।

ਵਿਸ਼ੇਸ਼ ਹਿਦਾਇਤਾਂ

ਪਰੀਖਿਆ ਪੱਖੋਂ ਅਧਿਆਪਕਾਂ, ਵਿਦਿਆਰਥੀਆਂ, ਪੇਪਰ-ਸੈਂਟਰਾਂ ਅਤੇ ਪਰੀਖਿਅਕਾਂ ਲਈ ਵਿਸ਼ੇਸ਼ ਹਿਦਾਇਤਾਂ

ਪ੍ਰਸ਼ਨ ਨੰ: 1 ਸਮੁੱਚੇ ਪਾਠ-ਕ੍ਰਮ ਦੇ ਆਧਾਰ ਤੇ ਸੰਖੇਪ ਉੱਤਰਾਂ ਵਾਲੇ ਦੱਸ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦਾ 1 ਅੰਕ ਹੋਵੇਗਾ। ਅੰਕਾਂ ਦੀ ਵੰਡ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਹੋਵੇਗੀ :

- (ਉ) ਪੰਜਾਬੀ ਲੋਕ-ਸਾਹਿਤ: (ਬਹੁ-ਚੋਣ, ਠੀਕ/ਗਲਤ, ਖਾਲੀ ਥਾਂਵਾਂ ਜਾਂ ਇੱਕ ਦੋ ਸ਼ਬਦਾਂ ਦੇ ਉੱਤਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ) । 2 ਅੰਕ
- (ਅ) ਲੋਕ-ਗੀਤ : ਦੋ ਪ੍ਰਸ਼ਨ - ਦੋਵੇਂ ਪ੍ਰਸ਼ਨ ਨਿਰਧਾਰਿਤ ਪਾਠ-ਸਮਗਰੀ ਦੇ ਆਧਾਰ 'ਤੇ ਪੁੱਛੇ ਜਾਣਗੇ। 2 ਅੰਕ
- (ੲ) ਲੋਕ ਕਥਾਵਾਂ : ਦੋ ਪ੍ਰਸ਼ਨ ਪਾਤਰਾਂ ਸੰਬੰਧੀ ਪੁੱਛੇ ਜਾਣਗੇ। 2 ਅੰਕ
- (ਸ) ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ : (ਸਿੱਧਾ ਅਰਥ ਪੁੱਛਣਾ, ਬਹੁ-ਚੋਣ, ਮਿਲਾਨ ਕਰਨਾ) ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ 'ਤੇ ਆਧਾਰਿਤ ਪਾਠ ਅਤੇ ਪਾਠ ਅਭਿਆਸ ਵਿੱਚੋਂ 2 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ ਦਾ ਇੱਕ ਅੰਕ ਹੋਵੇਗਾ। 2 ਅੰਕ
- (ਹ) ਮੁਹਾਵਰੇ:- 1 ਅੰਕ ਵਰਤੋਂ ਸਥਿਤੀ ਦੱਸ ਕੇ ਢੁਕਵਾਂ ਮੁਹਾਵਰਾ ਲਿਖਣ, 1 ਅੰਕ 2 ਅੰਕ
ਮੁਹਾਵਰੇ ਦੇ ਅਰਥ ਨਾਲ ਸੰਬੰਧਿਤ ਬਹੁ-ਚੋਣੀ ਪ੍ਰਸ਼ਨ 'ਚੋਂ ਠੀਕ ਅਰਥ ਲਿਖਣ ਦਾ ਹੋਵੇਗਾ।

10x1=10 ਅੰਕ

- ਪ੍ਰਸ਼ਨ ਨੰ: 2 ਪੰਜਾਬੀ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਲੋਕ-ਗੀਤਾਂ ਬਾਰੇ ਦਿੱਤੇ ਪਾਠ-ਅਭਿਆਸਾਂ ਦੇ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਕੋਈ 4 ਪ੍ਰਸ਼ਨ ਦੇ ਕੇ 3 ਦਾ ਉੱਤਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। $5+5=10$ ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 3 ਪੰਜਾਬੀ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਲੋਕ-ਗੀਤਾਂ 'ਚੋਂ ਕੋਈ ਇੱਕ ਕਾਵਿ-ਅੰਸ਼ ਦੇ ਕੇ ਉਸਦੇ 4 ਅਤਿ ਸੰਖੇਪ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। $1*4=4$ ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 4 ਪੰਜਾਬੀ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਿੱਤੀਆਂ ਵੱਖ-ਵੱਖ ਵੰਨਗੀਆਂ ਦੀਆਂ ਲੋਕ-ਕਥਾਵਾਂ ਵਿੱਚੋਂ ਦੋ ਦੇ ਨਾਂ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਕਥਾ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। 7 ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 5 . (ੳ) ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਿੱਤੀ ਗਈ ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ ਵਿੱਚੋਂ ਦਸ ਸ਼ਬਦ ਦੇ ਕੇ ਕਿਸੇ ਛੇ ਦੇ ਅਰਥ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। $6*1=6$ ਅੰਕ
- (ਅ) ਪਾਠ ਪੁਸਤਕ ਦਿੱਤੇ ਗਏ ਬੈਂਕ, ਰੇਲਵੇ, ਡਾਕ ਅਤੇ ਬੀਮਾ ਸੇਵਾਵਾਂ ਅਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸੰਬੰਧਿਤ ਅੱਠ ਵਾਕ ਦੇ ਕੇ ਕੋਈ ਪੰਜ ਵਾਕਾਂ ਦਾ ਪੰਜਾਬੀ ਅਨੁਵਾਦ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। $5 \times 2=10$ ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 6 ਕਿਸੇ ਮਸਲੇ/ਘਟਨਾ ਸੰਬੰਧੀ ਕਿਸੇ ਅਖ਼ਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ ਲਿਖਣ ਲਈ ਦੋ ਵਿਸ਼ੇ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਬਾਰੇ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। $2+3+2=7$ ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 7 ਪੰਜਾਬੀ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਿੱਤੀਆਂ ਵੰਨਗੀਆਂ ਅਨੁਸਾਰ ਇੱਕ ਇਸ਼ਤਿਹਾਰ ਜਾਂ ਸੱਦਾ-ਪੱਤਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। 5 ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 8 ਕੋਈ ਤਿੰਨ ਵਿਸ਼ੇ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਬਾਰੇ ਲਗ-ਪਗ 15 ਸ਼ਬਦਾਂ ਦੀ ਪੈਰਾ-ਰਚਨਾ ਕਰਨ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। 6 ਅੰਕ
- ਪ੍ਰਸ਼ਨ ਨੰ: 9 ਪੰਜਾਬੀ ਪਾਠ- ਪੁਸਤਕ ਵਿੱਚੋਂ ਕੋਈ ਸੱਤ ਮੁਹਾਵਰੇ ਦੇ ਕੇ ਕਿਸੇ 5 ਨੂੰ ਵਾਕਾਂ ਵਿੱਚ ਵਰਤਣ / ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ। $5*2=10$ ਅੰਕ

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ: 20 ਅੰਕ

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਦੀਆਂ ਹਿਦਾਇਤਾਂ ਅਤੇ ਅੰਕ-ਵੰਡ

ਲੜੀ ਨੰ.	ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਦੀ ਰੂਪ-ਰੇਖਾ	ਅੰਕ
1.	ਪ੍ਰੋਜੈਕਟ: ਪੰਜਾਬੀ ਲੋਕ-ਸਾਹਿਤ ਵਾਲੇ ਭਾਗ ਵਿਸ਼ਾ-ਸਮੱਗਰੀ ਨਾਲ ਸੰਬੰਧਿਤ ਹੇਠ ਲਿਖੇ ਪ੍ਰੋਜੈਕਟ ਬਣਾ ਕੇ ਸੰਬੰਧਿਤ ਵਿਸ਼ਾ-ਅਧਿਆਪਕ ਕੋਲ ਮੁਲਾਂਕਣ ਲਈ ਜਮ੍ਹਾਂ ਕਰਵਾਏ ਜਾਣਗੇ: 1. 02 ਚਾਰਟ 2. 01 ਸਕਰੈਪ-ਬੁੱਕ (ਸੰਬੰਧਿਤ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਤਸਵੀਰਾਂ ਆਦਿ ਦੀ ਸਮਗਰੀ ਵਾਲੀ) 3. 01 ਮਾਡਲ ਦਾ ਨਿਰਮਾਣ	10 ਅੰਕ(2+4+4) 2 ਅੰਕ 4 ਅੰਕ 4 ਅੰਕ
2.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸੁੱਧ ਉਚਾਰਨ/ਬੋਲਣ-ਯੋਗਤਾ): ਨਿਰਧਾਰਿਤ ਵਿਸ਼ਾ-ਪੁਸਤਕ ਦੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਹੁਨਰ ਨਾਲ ਸੰਬੰਧਿਤ	03 ਅੰਕ
3.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸਰਵਣ/ਸੁਣਨ-ਯੋਗਤਾ): ਨਿਰਧਾਰਿਤ ਵਿਸ਼ਾ-ਪੁਸਤਕ ਦੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਹੁਨਰ ਨਾਲ ਸੰਬੰਧਿਤ	02
4.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸੁੱਧ ਪੜ੍ਹਨ-ਯੋਗਤਾ): ਨਿਰਧਾਰਿਤ ਵਿਸ਼ਾ-ਪੁਸਤਕ ਦੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਹੁਨਰ ਨਾਲ ਸੰਬੰਧਿਤ	03
5.	ਪੁਸਤਕ-ਬੈਂਕ/ਬੁੱਕ-ਬੈਂਕ: ਸੰਬੰਧਿਤ ਵਿਸ਼ੇ ਦੀਆਂ ਪੁਸਤਕਾਂ ਦੇ ਬੁੱਕ-ਬੈਂਕ ਵਿੱਚ ਯੋਗਦਾਨ ਪਾਉਣ ਅਤੇ ਉਹਨਾਂ ਦੀ ਸਾਂਭ-ਸੰਭਾਲ ਵਿੱਚ ਕਿਰਿਆਸ਼ੀਲ ਭੂਮਿਕਾ ਨਿਭਾਉਣ ਦੇ ਆਧਾਰ 'ਤੇ ਇਹ ਅੰਕ ਸੰਬੰਧਿਤ ਵਿਸ਼ਾ-ਅਧਿਆਪਕ ਵੱਲੋਂ ਦਿੱਤੇ ਜਾਣਗੇ।	02
ਕੁੱਲ ਅੰਕ		20

ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਪਾਠ-ਪੁਸਤਕ:

ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ-11

**PUNJAB HISTORY AND CULTURE
(2020-21)**

Time : 3 Hrs

**Theory : 80 Marks
Project work/ IA : 20 Marks
Total:100 Marks**

STRUCTURE OF QUESTION PAPER

- All questions are compulsory.
- The question paper will comprises 5 questions in section A, B, C, D and E with sub parts . The question paper will carry:

SECTION- A

1. Objective Type Question: This section comprises questions with one word to one sentence answer/ Fill in the blank/ True or false/ Multiple choice type questions. Question No. 1 comprises of 20 sub parts (questions I to XX) carry 1 mark each. **20×1=20**

SECTION- B

2. Short Answer type Question: This question comprises of 4 sub parts (question i to iv) carry 3 marks each. Answer to each question should be in about 35-40 words. **4×3=12**

SECTION- C

3. Source Based Question: This section comprises 2 sub parts I to II (based on a passage given) carry 5 marks **2*5=10**

SECTION- D

4. Long answer Question: This question comprises of 7 sub parts (question no. i to vii) carry 6 marks each. Students have to attempt any 4 question out of 7. Answer to each question should be about 100-150 words. **4*6= 24**

SECTION- E

5. Map Question: This section comprises one question of map carries 14 marks (10marks for showing 4 places and 4 marks for explanation of those places to be written in 20 to 25 words) with 100% internal choice. **10+4 =14**

QUESTION WISE BREAK UP

Type of Question	Marks Per Question	Total no. of Questions	Total Marks
Objective Type (Learning checks)	1	20	20
Short answer Type (VSA)	3	4	12
Source Based question	5	2	10
Long Answer Type (LA)	6	4(7)	24
Map Skill Based	10+4	1	14
Total			80

WEIGHTAGE OF DIFFICULTY LEVEL

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (AV)	50%
(iii) Difficult (D)	20%

WEIGHTAGE OF MARKS UNIT WISE

	Objective. T Q 1 Mark	Short Answer 3 Marks	Source Based 5 Marks	Long Answer 6 Marks	Map Question 14 marks	Project work/IA 20 marks
Unit -1	1(5)	3(1)	Passage From prescribed Source 5*2	6(1)		
Unit -2	1(5)	3(1)		6(1)		
Unit- 3	1(5)	3(1)		6(1)		
Unit- 4	1(5)	3(1)		6(1)		
MapWork					1(10+4)	
Total	1x20=20	3x4=12	5x2=10	6x4=24	1(10+4)=14	20 marks

Course structure Unit I

1. The land of the people.
2. The age of the Harappa Culture.
3. The Age of the Vedic Aryans.

Unit II

1. From the Buddha to Ashoka.
2. Invasions and impact.

Unit III

1. The Gupta-Vardhana Age.
2. The Turks in the Punjab.

Unit IV

1. Education and Literature ,Art and Architecture.
2. The Siddhas and the Sufis.
3. Map question
 - a. Extent of Ashoka's empire;
 - b. Extent of Samundragupta's empire;
 - c. Important Historical places;

CLASS -XI
ENVIRONMENT EDUCATION

Time: 2 Hrs

Theory Marks: 45

IA Marks: 05

Total Marks: 50

STRUCTURE OF QUESTION PAPER (THEORY)

1. There will be one theory paper comprising of 17 questions. All questions will be compulsory.
2. Question No. 1-5 are very short answer type question carrying 1 mark each. Answer to each question will be in one line or few words only.
3. Question No. 6-10 are short answer type questions carrying 2 marks each. Answer to each question will be in 20-30 words.
4. Question No. 11-15 are long/medium answer type question carrying 4 marks each. Answer to each question will be in 50-60 words.
5. Question No. 16 and 17 are long answer type question carrying 5 marks each. Answer to these questions will be in 80-100 words.
6. In Question No 16 and 17 there will be 100 % internal choice.
7. There will be no objective type question like yes/ No, tick/ cross, fill in the blanks, multiple choice, true/ false etc.
8. The Question paper should be strictly from the prescribed syllabus based on above mentioned guidelines.

UNIT WISE DISTRIBUTION OF MARKS

Unit	1 Mark questions	2 Mark questions	4 Mark questions	5 Mark Questions
Unit I Man and Environment	1	1	1	1
Unit II Environment and Development	1	1	1	or 1
Unit III Environmental Pollution and Global issues	1	1	1	1 or
Unit IV Energy	1	1	1	1
Unit V Safe work Environment and Occupational Hazards	1	1	1	---
Total Maks	5 marks	10 marks	20 marks	10 marks

INSTRUCTION FOR PAPER SETTER

1. There will be 17 questions in theory paper.
2. Questions No. 1-5 are of 1 mark each and there should be one question from each unit.
3. Question 6-10 are of 2 marks each and there should be one question from each unit.
4. Question 11-15 are of 4 marks each and there should be one question from each unit.
5. Question 16 will be of 5 marks and to be set from unit I and choice question should be set from unit II.
6. Question 17 will be of 5 marks and to be set from unit III and choice Question should be set from unit IV.

SYLLABUS

Unit- I Man and Environment

1. Environment

- Dimensions of Environment- physical, biological and social.

- Human being as rational and social partner in environmental actions.
- Society and environment in India: Indian traditions, customs and culture in past and present.

2. Population and Environment

- Demography, causes of increase in population and its ill effects on environment, urbanization.

3. Impact of human activities on Environment

- Environmental problems of urban and rural areas.
- Natural resources and their depletion
- Stress on civic amenities, supply of water and electricity, waste disposal, transport, health services.
- Vehicular emissions.
- Urbanisation- land use, housing, migrating and floating population.

Unit-II Environment and Development

4. Economic and Social Development

- Economic and social needs as basic considerations for development.
- Agriculture and industry as major sector of development.
- Social factors affecting development- poverty, affluence, education, employment, child marriage and child labour, human health- HIV/AIDS, social culture and ethical values.

5. Impact of Liberalization and Globalization

- Impact of liberalization and globalization- agriculture and industries, dislocation of manpower and unemployment implications for social harmony.

6. Role of Society in Development and Environment

- Role of society in development and environment- public awareness through education, eco- clubs, population education programmes and campaigns, public participation in decision making.

Unit-III Environmental Pollution and Global Issues

7. Environmental Pollution

- Air water (fresh and marine), soil pollution- sources and consequences.
- Noise and radiation pollution- sources and consequences.
- Solid, liquid and gaseous pollution.

8. Pollution and Diseases

- Handling of hazardous material, process and management of hazardous wastes.
- Pollution related diseases.
- Strategies for reducing pollution and improving the environment.

9. Global Issues and Improvement of Environment

- Ozone Layer depletion and its effects.
- Greenhouse effect, global warming, climate changes and their effects on human society, agriculture plants and animals.

10. Disaster

- Disaster- natural (earthquakes, droughts, floods, cyclones, landslides) and man made (technological and industrial), their impact on the environment, prevention, control and mitigation.

Unit- IV Energy

11. Energy Consumption

- Changing global pattern of energy consumption -from ancient to modern times.

- Energy consumption as a measure of quality of life.
- Rising demand for energy gap between demand and supply (Indian context.)

12. Conventional Sources of Energy

- Conventional energy sources- fossil and firwood, potential (India context) and limitations of each source, methods of harnessing energy and environment consequences of their use.

13. Non- conventional Source of Energy

- Non Conventional energy sources- type of non -conventional sources(bio- mass, solar, wind, ocean, hydel, geothermal, nuclear),potential(Indian context) and limitations of each source, methods of harnessing and their environmental consequences, need to promote non- conventional energy sources.

14. Conservation of Energy

- Conservation of energy sour ces- efficiency in production, transportation and utilization of energy.
- Future sources of energy- hydrogen, alcohol, fuel cells.

Unit V Safe work Environment and Occupational Hazards

15. Safe Work Environment

- Safe work environement- adequate light, ventilation, cleanliness, good house keeping.

16. Safety Laws, Accidents and First- Aid

- Safety awareness management- safety precautions- home and work (laboratory, workshop, work site), safe handling of equipment and materal.
- Occupational hazards- physical, chemical, mechanical, electrical, biological, radiational and psychological.
- Accidents and major hazards in industries and occupations- fire, explosion, toxic release.
- First aid measures.
- Laws and regulations related to occupational health and safety.

17*. Drugs- ill Effects Part-I

- Importance of health, Drug-addiction, symptoms (Material upload on website)
- Drugs of abuse and their health consequences, academic and occupational consequences, consequences for family, social, legal and criminal consequences.
- Prevention of Drug , Government initiatives, the narcotic drug and psychotropic substances act-1985, offences and penalties.

*** Chapter 17 is added in the syllabus as a compulsory topic, Matter is available on the Board's website www.pseb.ac.in.**

Internal Assessment	05 Marks
Book Bank	2 Marks
Project work	3 Marks

**ਗਿਆਰਵੀਂ ਸ਼੍ਰੇਣੀ
ਕੰਪਿਊਟਰ ਸਾਇੰਸ
(ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ)**

ਸਮਾਂ : 3 ਘੰਟੇ

ਲਿਖਤੀ : 50 ਅੰਕ
ਅੰਤਰਿਕ ਮੁਲਾਂਕਣ : 05 ਅੰਕ
ਪ੍ਰਯੋਗੀ : 45 ਅੰਕ
ਕੁੱਲ : 100 ਅੰਕ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਚਾਰ ਭਾਗਾਂ (ਭਾਗ ਓ, ਭਾਗ ਅ, ਭਾਗ ਏ ਅਤੇ ਭਾਗ ਸ) ਵਿੱਚ ਵੰਡਿਆ ਹੋਵੇਗਾ।
2. ਭਾਗ ਓ ਆਬਜੈਕਟਿਵ ਟਾਇਪ ਹੋਵੇਗਾ ਜਿਸ ਵਿੱਚ 1 ਤੋਂ 6 ਤੱਕ 1-1 ਅੰਕ ਦੇ 6 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
3. ਭਾਗ ਅ ਵਿੱਚ ਪ੍ਰਸ਼ਨ ਨੰ 7 ਤੋਂ 12 ਤੱਕ 2-2 ਅੰਕ ਦੇ 6 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
4. ਭਾਗ ਏ ਵਿੱਚ ਪ੍ਰਸ਼ਨ ਨੰ 13 ਤੋਂ 17 ਤੱਕ 4-4 ਅੰਕ ਦੇ 5 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
5. ਭਾਗ ਸ ਵਿੱਚ ਪ੍ਰਸ਼ਨ ਨੰ 18 ਤੋਂ 19 ਤੱਕ 6-6 ਅੰਕ ਦੇ 2 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
6. ਭਾਗ ਓ, ਅ, ਏ ਅਤੇ ਭਾਗ ਸ ਦੇ ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਜ਼ਰੂਰੀ ਹੋਣਗੇ। ਭਾਗ ਏ ਅਤੇ ਸ ਵਿੱਚ ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਦੋ ਜਾਂ ਦੋ ਤੋਂ ਵੱਧ ਭਾਗ ਵੀ ਹੋ ਸਕਦੇ ਹਨ। ਭਾਗ ਸ ਵਿੱਚ ਅੰਦਰੂਨੀ ਛੋਟ ਹੋਵੇਗੀ।

ਨੰ	ਲੜੀ	ਅਧਿਆਇ ਦਾ ਨਾਂ	ਕੁੱਲ ਅੰਕ	1 ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ	2 ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ	4 ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ	6 ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ
1.		ਦਸਵੀਂ ਕਲਾਸ ਦੀ ਦੁਹਰਾਈ	3	1	1		
2.		"ਸੀ" ਭਾਸ਼ਾ ਵਿੱਚ ਪ੍ਰੋਗਰਾਮਿੰਗ ਲਈ ਭੂਮਿਕਾ	6		1	1	
3.		ਕਾਂਸਟੈਂਟਸ, ਵੈਰੀਏਬਲਜ਼ ਅਤੇ ਡਾਟਾ ਟਾਈਪਸ	7	1	1	1	
4.		ਓਪਰੇਟਰਸ ਅਤੇ ਐਕਸਪ੍ਰੈਸ਼ਨ	7	1	1	1	
5.		ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 1)	7	1			1
6.		ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 2)	6		1	1	
7.		ਐਰੇਸ (ਭਾਗ 1)	3	1	1		
8.		ਐਰੇਸ (ਭਾਗ 2)	4			1	
9.		ਡੈਸਕਟਾਪ ਪਬਲਿਸ਼ਿੰਗ	7	1			1
		ਕੁੱਲ ਜੋੜ	50	6	12	20	12

1. ਦਸਵੀਂ ਕਲਾਸ ਦੀ ਦੁਹਰਾਈ

ਸਾਫਟਵੇਅਰ ਸੰਕਲਪ

ਸਿਸਟਮ ਸਾਫਟਵੇਅਰ : ਐਪਲੇਟਿਵ ਸਿਸਟਮ, ਯੂਟਿਲਿਟੀ ਸਾਫਟਵੇਅਰ, ਐਪਲੀਕੇਸ਼ਨ ਸਾਫਟਵੇਅਰ ਐਕਸਲ: ਡਾਟਾ ਟਾਈਪ ਫਾਰਮੂਲਾ ਅਤੇ ਫੰਕਸ਼ਨਜ਼, ਐਕਸਲ ਅਤੇ ਫੀਈਐਨੈੱਸ਼ਿਯਲ ਡਾਟਾ ਐਚ.ਟੀ.ਐਮ.ਐਲ.ਦੀ ਦੁਹਰਾਈ (REVIEW ON HTML): ਵੈੱਬ ਪੇਜਿੰਗ, ਐਚ.ਟੀ.ਐਮ.ਐਲ. (HTML) ਫਾਈਲ, ਮਾਈਕਰੋਸੋਫਟ ਅਸੈਸ : ਡਾਟਾ ਸੋਧਨਾ, ਅਸੈਸ ਡਾਟਾਬੇਸ ਦੇ ਆਬਜੈਕਟਸ (ਟੇਬਲ, ਕੁਐਰੀਜ਼, ਫਾਰਮ, ਰਿਪੋਰਟ, ਪੇਜ ਪ੍ਰੋਗਰਾਮਿੰਗ ਕੰਨੈਕਟਸ ਦੀ ਦੁਹਰਾਈ (Review on programming concepts) : ਪ੍ਰੋਗਰਾਮ ਡਿਵੈਲਪਮੈਂਟ ਦੇ ਵੱਖ-ਵੱਖ ਪੜਾਅ, ਪ੍ਰੋਗਰਾਮਿੰਗ ਭਾਸ਼ਾ ਦੇ ਐਲੀਮੈਂਟ

2. "ਸੀ" ਭਾਸ਼ਾ ਵਿੱਚ ਪ੍ਰੋਗਰਾਮਿੰਗ ਲਈ ਭੂਮਿਕਾ

ਭੂਮਿਕਾ

ਸੀ (C) ਭਾਸ਼ਾ ਦੇ ਵਿਸ਼ੇਸ਼ ਲੱਛਣ

ਸੀ (C) ਚਿੰਨ੍ਹ ਸੈੱਟ : ਐਸਕੇਪ ਚਿੰਨ੍ਹ, ਵਾਈਟ ਸਪੇਸ ਕਰੈਕਟਰ

ਸੀ(C) ਪ੍ਰੋਗਰਾਮ ਦਾ ਸਟਰਕਚਰ: ਹੈਡਰ ਫਾਈਲਜ਼, ਪ੍ਰੀ ਪ੍ਰੋਸੈਸਰ ਸਟੇਟਮੈਂਟ/ਨਿਰਦੇਸ਼, ਗਲੋਬਲ ਡਿਕਲੇਰੇਸ਼ਨਸ

ਸੀ (C) ਪ੍ਰੋਗਰਾਮ ਦਾ ਕੰਪਾਈਲ ਅਤੇ ਲਾਗੂ ਕਰਨ

ਐਡੀਟਰ ਦੀ ਵਰਤੋਂ

ਫੰਕਸ਼ਨ: ਬਿਲਟ ਇਨ ਫੰਕਸ਼ਨਸ, ਯੂਜ਼ਰ ਪਰਭਾਸ਼ਤ ਫੰਕਸ਼ਨਸ ਫਾਰਮੇਟਡ ਆਈ/ਓ ਫੰਕਸ਼ਨ : ਪ੍ਰਿੰਟਐਫ

ਫੰਕਸ਼ਨ (printf function), ਸਕੈਨਐਫ ਫੰਕਸ਼ਨ (scanf function) ਸੀ (C) ਪ੍ਰੋਗਰਾਮਿੰਗ ਨਾਲ

ਸ਼ੁਰੂਆਤ ਕਰਨੀ : ਟਰਬੋ ਸੀ ਨੂੰ ਸਥਾਪਿਤ ਕਰਨਾ, ਪ੍ਰੋਗਰਾਮ ਦੀ ਕੰਪਾਇਲਿੰਗ ਅਤੇ ਐਗਜ਼ੀਕਿਊਟਿੰਗ

3. ਕਾਂਸਟੈਂਟਸ, ਵੈਰੀਏਬਲਜ਼ ਅਤੇ ਡਾਟਾ ਟਾਈਪਸ

ਭੂਮਿਕਾ

ਕਾਂਸਟੈਂਟਸ/ਸ਼ਾਬਦਿਕ : ਸੀ (C) ਕਾਂਸਟੈਂਟ ਦੀਆਂ ਟਾਈਪਸ

- ਸੀ (C) ਵੈਰੀਏਬਲਜ਼/ਆਈਡੈਂਟੀਫਾਈਰ ਦੀਆਂ ਟਾਈਪਸ : ਡਿਲੀਮੀਟਰ, ਵੈਰੀਏਬਲਜ਼ ਦਾ ਡਿਕਲੇਰੇਸ਼ਨ
ਇਨਿਸ਼ਿਯਲਾਈਜ਼ੇਸ਼ਨ
ਵੈਰੀਏਬਲ ਵਿਚ ਕਾਂਸਟੈਂਟ ਸਟੋਰ ਕਰਨਾ
ਡਾਟਾ ਟਾਈਪਸ : ਬਿਲਟ ਇਨ ਡਾਟਾ ਟਾਈਪਸ (ਇੰਨਟੀਜਰ, ਫਲੋਟਿੰਗ ਪੁਆਇੰਟ - ਡਾਟਾ ਟਾਈਪ ,
ਕਰੈਕਟਰ ਡਾਟਾ ਟਾਈਪ, ਡਬਲ, ਵੋਆਇਡ ਡਾਟਾ ਟਾਈਪ),, ਮੇਨ ਫੰਕਸ਼ਨ ਹੈਡਰ ਟੋਕਨਜ਼ (ਆਈਡੈਂਟਿਫਾਇਰਜ਼),
ਕੀ-ਵਰਡਜ਼, ਕਾਂਸਟੈਂਟ, ਓਪਰੇਟਰਸ) : ਕੀ ਵਰਡਜ਼ ਅਤੇ ਆਈਡੈਂਟੀਫਾਇਰਜ਼, ਟਾਈਪ ਮੋਡੀਫਾਇਰ ਜਾਂ ਕੁਆਲੀਫਾਈਰ
4. ਓਪਰੇਟਰਸ ਅਤੇ ਐਕਸਪ੍ਰੈਸ਼ਨ
ਭੂਮਿਕਾ
ਓਪਰੇਟਰਸ ਅਤੇ ਐਕਸਪ੍ਰੈਸ਼ਨ : ਐਕਸਪ੍ਰੈਸ਼ਨ, ਬਾਇਨਰੀ ਓਪਰੇਟਰ, ਐਪਰਸ਼ਨਜ਼ ਅਤੇ ਹਿਰੈਚੀਕਲ ਆਰਡਰ
(Operations & Hierarchical order) ਰਿਲੇਸ਼ਨਲ ਅਤੇ ਲੌਜੀਕਲ ਓਪਰੇਟਰ: ਲੌਜੀਕਲ ਓਪਰੇਟਰ, ਅਸਾਈਨਮੈਂਟ
ਓਪਰੇਟਰ, ਇਨਕਰੀਮੈਂਟ ਅਤੇ ਡਿਕਰੀਮੈਂਟ ਓਪਰੇਟਰਸ, ਟਰਨਰੀ ਓਪਰੇਟਰ, ਕੌਮਾ ਓਪਰੇਟਰ, ਸਾਈਡਆਫ() ਓਪਰੇਟਰ,
ਬਿਟਵਾਈਜ਼ ਓਪਰੇਟਰ
5. ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 1)
ਭੂਮਿਕਾ
ਡਿਸਿਜ਼ਨ ਮੇਕਿੰਗ ਸਟੇਟਮੈਂਟ : ਇਫ ਸਟੇਟਮੈਂਟ (if statement), ਇਫ ਐਲਸ ਸਟੇਟਮੈਂਟ (if else)
ਸਵਿਚ ਸਟੇਟਮੈਂਟ
ਬ੍ਰੇਕ ਸਟੇਟਮੈਂਟ
ਨਿਰੰਤਰ ਸਟੇਟਮੈਂਟ
6. ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 2)
ਭੂਮਿਕਾ
ਕੰਟਰੋਲ ਲੂਪ ਸਟਰਕਚਰ : ਵਾਈਲ ਸਟੇਟਮੈਂਟ (While statement), ਡੂ ਵਾਈਲ (do while),
ਫਾਰ ਸਟੇਟਮੈਂਟ ਲੂਪ (For Statement loop)
7. ਐਰੇਸ (ਭਾਗ 1)
ਭੂਮਿਕਾ
ਐਰੇ ਦੀ ਡਿਕਲੇਰੇਸ਼ਨ ਅਤੇ ਇਨਿਸ਼ਿਯਲਾਈਜ਼ੇਸ਼ਨ : ਇਨਿਸ਼ਿਯਲਾਈਜ਼ਿੰਗ ਐਰੇਸ
ਕੁਝ ਵਿਸ਼ੇਸ਼ ਨਿਯਮ: ਐਰੇ ਵਿਚ ਡਾਟਾ ਪ੍ਰਵੇਸ਼ ਕਰਨਾ,
ਐਰੇ ਕਾਪੀ ਕਰਨੀ
ਐਰੇ ਦੇ ਮੁੱਲਾਂ ਦੀ ਪਹੁੰਚ ਕਰਨੀ
ਐਰੇ ਐਲੀਮੈਂਟਸ ਦਾ ਪ੍ਰਬੰਧਨ
8. ਐਰੇਸ (ਭਾਗ 2)
ਭੂਮਿਕਾ
ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ : ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਦੀ ਡਿਕਲੇਰੇਸ਼ਨ, ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਦੀ ਬਣਤਰ, ਦੋ
ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਐਲੀਮੈਂਟਸ ਦਾ ਇਨਿਸ਼ਿਯਲਾਈਜ਼ੇਸ਼ਨ, ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਸਟੇਟਮੈਂਟ ਦਾ ਇਨਿਸ਼ਿਯਲਾਈਜ਼ੇਸ਼ਨ
ਮੈਮਰੀ ਵਿਚ ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਐਲੀਮੈਂਟਸ ਮਲਟੀ
ਆਇਮੈਨਸ਼ਨਲ ਐਰੇਸ - ਕੈਰ ਟਾਈਪ: ਮਲਟੀ ਆਇਮੈਨਸ਼ਨਲ ਐਰੇਸ ਦੇ ਐਲੀਮੈਂਟਸ ਤੱਕ ਪਹੁੰਚ, ਕੈਰ ਟਾਈਪ ਮਲਟੀ
ਡਾਇਮੈਨਸ਼ਨਲ ਐਰੇ ਦਾ ਇਨਿਸ਼ਿਯਲਾਈਜ਼ੇਸ਼ਨ, ਕੈਰ ਵੱਰਡ ਪ੍ਰੋਸੈਸਿੰਗ ਦੇ ਦੋ ਡਾਇਮੈਨਸ਼ਨਲ ਐਰੇ ਇਕ-ਕੈਰ ਟਾਈਪ
ਇਨਪੁੱਟ/ਆਊਟਪੁੱਟ
ਡੀਫਾਈਨ ਡਾਇਰੈਕਟਿਵ (# define directive)
9. ਡੈਸਕਟਾਪ ਪਬਲਿਸ਼ਿੰਗ
ਡੈਸਕਟਾਪ ਪਬਲਿਸ਼ਿੰਗ ਬਾਰੇ ਜਾਣਕਾਰੀ
ਡਾਕੂਮੈਂਟਸ ਨੂੰ ਪ੍ਰਿੰਟ ਕਰਨਾ
ਪ੍ਰਿੰਟਿੰਗ ਦੇ ਤਰੀਕੇ ਆਫਸੈਟ ਪ੍ਰਿੰਟਿੰਗ, ਲੇਜ਼ਰ ਪ੍ਰਿੰਟਿੰਗ
ਫੌਂਟਸ
ਫਰੇਮ
ਪੇਜ ਲੇਆਊਟ
ਡੈਸਕਟਾਪ ਪਬਲਿਸ਼ਿੰਗ ਅਤੇ ਵਰਡਪ੍ਰੋਸੈਸਰ ਵਿਚ ਅੰਤਰ
ਡਾਕੂਮੈਂਟ ਪਲੈਨਿੰਗ
ਮੁੱਖ ਸੂਚਨਾ ਨੂੰ ਖਾਸ ਤੌਰ ਤੇ ਦਿਖਾਇਆ ਜਾਣਾ : ਸਟਾਈਲ, ਮਾਰਜਨ, ਫੁਟਰ, ਫੌਂਟ

ਕੰਪਿਊਟਰ ਸਾਇੰਸ (ਗਿਆਰਵੀਂ ਸ਼੍ਰੇਣੀ)
ਅਗਵਾਈ ਲੀਹਾਂ (ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਆ)

ਸਮਾਂ-3 ਘੰਟੇ

ਅੰਕ -45

ਪ੍ਰੀਖਿਆ ਲਈ ਅੰਕ ਵੰਡ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਹੋਵੇਗੀ:

ਸੈਕਸ਼ਨ - ਏ	ਵਾਇਵਾ- ਵੋਸ	10
ਸੈਕਸ਼ਨ - ਬੀ	ਰਿਕਾਰਡ ਫਾਇਲ	10
ਸੈਕਸ਼ਨ - ਸੀ	ਛੋਟੇ ਪ੍ਰੋਗਰਾਮ	25

1. ਸੈਕਸ਼ਨ - ਏ ਵਿੱਚ ਪ੍ਰੀਖਿਆਰਥੀ ਤੋਂ ਪਾਠ ਕ੍ਰਮ ਵਿੱਚੋਂ ਪੰਜ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ ਦੋ ਦੋ ਅੰਕ ਦਾ ਹੋਵੇਗਾ। ਇਹ ਪ੍ਰਸ਼ਨ ਓਬਜੈਕਟਿਵ ਟਾਈਪ ਜਾਂ ਵਿਆਖਿਆ ਦੱਸਣੀ ਜਾਂ ਕੰਪਿਊਟਰ ਦੇ ਵੱਖ ਵੱਖ ਹਿੱਸਿਆਂ ਅਤੇ ਇਸ ਨਾਲ ਜੁੜੇ ਸਹਾਇਕਾਂ ਦੇ ਬਹੁਤ ਛੋਟੇ ਅਭਿਆਸ ਹੋਣਗੇ। **1×10=10 ਅੰਕ**
2. ਸਕਸ਼ਨ - ਬੀ ਵਿੱਚ ਪ੍ਰੀਖਿਆਰਥੀ ਦਾ ਸਲਾਨਾ ਰਿਕਾਰਡ ਚੈਕ ਕੀਤਾ ਜਾਵੇਗਾ। **10 ਅੰਕ**
3. ਸੈਕਸ਼ਨ - ਸੀ ਵਿੱਚ ਛੇ ਪ੍ਰਸ਼ਨ /ਪ੍ਰੋਗਰਾਮ ਸੈੱਟ ਕੀਤੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿੱਚੋਂ ਪ੍ਰੀਖਿਆਰਥੀ ਨੂੰ ਪੰਜ ਪ੍ਰੋਗਰਾਮ / ਪ੍ਰਸ਼ਨ ਕਰਨ ਦੀ ਖੁੱਲ੍ਹ ਹੋਵੇਗੀ। ਹਰ ਪ੍ਰੋਗਰਾਮ/ਪ੍ਰਸ਼ਨ ਪੰਜ ਪੰਜ ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ, ਹਰੇਕ ਪ੍ਰੋਗਰਾਮ/ ਪ੍ਰਸ਼ਨ ਲਈ ਅੰਦਰੂਨੀ ਅੰਕ ਵੰਡ ਪੇਪਰ ਸਟਰ ਕਰਕੇ ਦੇਵੇਗਾ। **5×5=25 ਅੰਕ**

1. **ਦੁਹਰਾਈ**
ਐਕਸਲ
ਐਚ.ਟੀ.ਐਮ.ਐਲ.
 ਮਾਈਕਰੋਸੋਫਟ ਅਸੈਸ : ਡਾਟਾ ਸੋਧਨਾ, ਅਸੈਸ ਡਾਟਾਬੇਸ ਦੇ ਆਬਜੈਕਟ
2. **"ਸੀ" ਪ੍ਰੋਗਰਾਮ**
 ਸਟਰਕਚਰ: ਗਲੋਬਲ ਡਿਕਲੇਰੇਸ਼ਨ, ਸੀ (C) ਪ੍ਰੋਗਰਾਮ ਦਾ ਕੰਪਾਈਲ ਅਤੇ ਲਾਗੂ ਕਰਨ ਐਡੀਟਰ ਦੀ ਵਰਤੋਂ।
 ਫੰਕਸ਼ਨ: ਬਿਲਟ ਇਨ ਫੰਕਸ਼ਨ, ਯੂਜ਼ਰ ਪਰਿਭਾਸ਼ਤ ਫੰਕਸ਼ਨ
 ਫਾਰਮੇਟਡ ਆਈ/ਓ ਫੰਕਸ਼ਨ ,ਪ੍ਰੋਗਰਾਮਿੰਗ ਨਾਲ ਸ਼ੁਰੂਆਤ ਕਰਨੀ : ਟਰਬੋ ਸੀ ਨੂੰ ਸਥਾਪਿਤ ਕਰਨਾ, ਪ੍ਰੋਗਰਾਮ ਦੀ ਕੰਪਾਇਲਿੰਗ ਅਤੇ ਐਗਜ਼ਿਕਿਊਟਿੰਗ, ਇੰਸਟਾਲੇਸ਼ਨ, ਓਪਰੇਟਰ
3. **ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 1)**
 ਡਿਸਿਜ਼ਨ ਮੇਕਿੰਗ ਸਟੇਟਮੈਂਟ : ਇਫ ਸਟੇਟਮੈਂਟ(if statement), ਇਫ ਐਲਸ ਸਟੇਟਮੈਂਟ (if else)
 ਸਵਿਚ ਸਟੇਟਮੈਂਟ
 ਬ੍ਰੇਕ ਸਟੇਟਮੈਂਟ
 ਨਿਰੰਤਰ ਸਟੇਟਮੈਂਟ !
4. **ਕੰਟਰੋਲ ਫਲੋ (ਭਾਗ 2)**
 ਕੰਟਰੋਲ ਲੂਪ ਸਟਰਕਚਰ : ਵਾਈਲ ਸਟੇਟਮੈਂਟ (While statement), ਡੂ ਵਾਈਲ (do while),
 ਫਾਰ ਸਟੇਟਮੈਂਟ ਲੂਪ (For Statement loop)
5. **ਐਰੇਸ (ਭਾਗ 1)**
 ਐਰੇ ਵਿਚ ਡਾਟਾ ਪ੍ਰਵੇਸ਼ ਕਰਨਾ
 ਐਰੇ ਕਾਪੀ ਕਰਨੀ
 ਐਰੇ ਦੇ ਮੁੱਲਾਂ ਦੀ ਪਹੁੰਚ ਕਰਨੀ
 ਐਰੇ ਐਲੀਮੈਂਟਸ ਦਾ ਪ੍ਰਬੰਧਨ : ਐਲੀਮੈਂਟਸ ਦਾ ਜੋੜ, ਐਲੀਮੈਂਟਸ ਦਾ ਗੁਣਾਂਕ-ਮੁੱਲ, ਐਲੀਮੈਂਟਸ ਦਾ ਪ੍ਰੋਡਕਟ, ਐਲੀਮੈਂਟਸ ਦਾ ਅੰਸਤਨ, ਓਚਤਮ ਅਤੇ ਨਿਊਨਤਮ ਅੰਕ ਲੱਭਣਾ
6. **ਐਰੇਸ (ਭਾਗ 2)**
 ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ ਦੀ ਬਣਤਰ ਅਤੇ ਇਨੀਸ਼ਿਅਲਾਈਜ਼ੇਸ਼ਨ
 ਮਲਟੀ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇਸ : ਐਲੀਮੈਂਟਸ , ਇਨਿਸ਼ਿਅਲਾਈਜ਼ੇਸ਼ਨ, ਦੋ ਡਾਈਮੈਨਸ਼ਨਲ ਐਰੇ,
 ਇਕ-ਕੋਰ ਟਾਈਪ ਇਨਪੁੱਟ/ ਆਉਟਪੁੱਟ
7. **ਡੈਸਕਟਾਪ ਪਬਲਿਸ਼ਿੰਗ**
 ਡਾਕੂਮੈਂਟਸ ਨੂੰ ਪ੍ਰਿੰਟ ਕਰਨਾ
 ਪ੍ਰਿੰਟਿੰਗ ਦੇ ਤਰੀਕੇ : ਆਫਸੈਟ ਪ੍ਰਿੰਟਿੰਗ, ਫੁਟਰ ਪ੍ਰਿੰਟਿੰਗ
 ਫੌਂਟਸ
 ਫਰੇਮ
 ਪੇਜ ਲੇਆਊਟ
 ਡਾਕੂਮੈਂਟ ਪਲੈਨਿੰਗ
 ਮੁੱਖ ਸੂਚਨਾ ਨੂੰ ਖਾਸ ਤੌਰ ਤੇ ਦਿਖਾਇਆ ਜਾਣਾ : ਸਟਾਈਲ, ਮਾਰਜਨ, ਫੁਟਰ, ਫੌਂਟ

ਜਮਾਤ-11ਵੀਂ ਪੰਜਾਬੀ ਚੋਣਵੀਂ

ਸਮਾਂ: 3 ਘੰਟੇ

ਲਿਖਤੀ ਪੇਪਰ= 80 ਅੰਕ
ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ= 20 ਅੰਕ
ਕੁੱਲ ਅੰਕ= 100 ਅੰਕ

ਪਾਠ-ਕ੍ਰਮ ਅਤੇ ਅੰਕ-ਵੰਡ

ਲੜੀ ਨੰ.	ਪਾਠ-ਕ੍ਰਮ	ਅੰਕ
1.	ਸੁੰਦਰ ਲਿਖਾਈ	05
2.	ਪੰਜਾਬੀ-ਕਾਵਿ:- ਆਧੁਨਿਕ-ਕਾਵਿ	27
3.	ਪੰਜਾਬੀ ਵਾਰਤਕ :- ਸਫ਼ਰਨਾਮਾ-ਅੰਸ਼	17
4.	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ	14
5.	ਪੰਜਾਬੀ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ	17
ਕੁੱਲ ਅੰਕ		80

ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ

ਸਮਾਂ: 3 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ (ਲਿਖਤੀ) =80

ਨੋਟ: 5 ਅੰਕ ਸੁੰਦਰ ਲਿਖਾਈ ਲਈ ਨਿਰਧਾਰਿਤ ਕੀਤੇ ਗਏ ਹਨ। ਇਹ ਅੰਕ ਇਸ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਕੁੱਲ ਅੰਕਾਂ-80 ਵਿੱਚ ਹੀ ਰਾਖਵੇਂ ਹਨ। ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਅੱਖਰਾਂ ਤੇ ਸ਼ਬਦਾਂ ਦਾ ਸਹੀ ਆਕਾਰ, ਸਪਸ਼ਟਤਾ, ਨਿਸ਼ਚਿਤ ਦੂਰੀ, ਲਿਖਣ 'ਚ ਇਕਸਾਰਤਾ, ਪ੍ਰਵਾਹਯੁਕਤ ਲੇਖਨ, ਸ਼ਬਦ-ਜੋੜ ਸੁਧਤਾ, ਸੁੰਦਰ ਸ਼ਬਦ-ਬਣਤਰ, ਵਿਸਰਾਮ-ਚਿੰਨ੍ਹਾਂ ਦੀ ਸਹੀ ਵਰਤੋਂ ਅਤੇ ਲਿਖਾਈ ਦੇ ਸਮੁੱਚੇ ਖੂਬਸੂਰਤ ਪ੍ਰਭਾਵ ਦੇ ਆਧਾਰ 'ਤੇ ਪਰੀਖਿਅਕ ਸੰਬੰਧਿਤ ਪਰੀਖਿਆਰਥੀ ਦੀ ਲਿਖਾਈ ਦਾ ਮੁਲਾਂਕਣ ਕਰੇਗਾ।

- (1) ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੇ ਕੁੱਲ 8 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
- (2) ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨੇ ਲਾਜ਼ਮੀ ਹੋਣਗੇ।

ਵਿਸ਼ੇਸ਼ ਹਿਦਾਇਤਾਂ

ਪਰੀਖਿਆ ਪੱਖੋਂ ਅਧਿਆਪਕਾਂ, ਵਿਦਿਆਰਥੀਆਂ, ਪੇਪਰ-ਸੈਟਰਾਂ ਅਤੇ ਪਰੀਖਿਅਕਾਂ ਲਈ ਵਿਸ਼ੇਸ਼ ਹਿਦਾਇਤਾਂ

ਪ੍ਰਸ਼ਨ ਨੰ:1 ਸਮੁੱਚੇ ਪਾਠ-ਕ੍ਰਮ ਦੇ ਆਧਾਰ 'ਤੇ 10 ਅੰਕਾਂ ਦੇ ਵਸਤੂ-ਨਿਸ਼ਠ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਇਹ ਪ੍ਰਸ਼ਨ ਬਹੁ-ਚੋਣ, ਠੀਕ/ਗਲਤ, ਖ਼ਾਲੀ ਥਾਂਵਾਂ ਜਾਂ ਇੱਕ ਜਾਂ ਦੋ ਸ਼ਬਦਾਂ ਵਿੱਚ ਉੱਤਰ ਦੇਣ ਵਾਲੇ ਹੋਣਗੇ। ਅੰਕਾਂ ਦੀ ਵੰਡ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਹੋਵੇਗੀ :

ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਭਾਗ-1

- (ੳ) ਆਧੁਨਿਕ-ਕਾਵਿ: ਦੋ ਪ੍ਰਸ਼ਨ ਰਚਨਾ ਕਵੀ ਜਾਂ ਕਵੀ ਦੀ ਰਚਨਾ ਨਾਲ ਸੰਬੰਧਿਤ, ਦੋ ਪ੍ਰਸ਼ਨ ਪਾਠ-ਸਮਗਰੀ 'ਤੇ ਆਧਾਰਿਤ ਹੋਣਗੇ। 4 ਅੰਕ
- (ਅ) ਅੱਖੀਂ ਡਿੱਠੀ ਦੁਨੀਆਂ: (ਇੱਕ ਪ੍ਰਸ਼ਨ ਸਫ਼ਰਨਾਮਾ-ਅੰਸ਼ ਦੇ ਲੇਖਕ/ਲੇਖਕ ਰਚਿਤ ਸਫ਼ਰਨਾਮਾ-ਅੰਸ਼ ਨਾਲ ਸੰਬੰਧਿਤ, ਦੂਜਾ ਪ੍ਰਸ਼ਨ ਸਫ਼ਰਨਾਮਾ-ਅੰਸ਼ਾਂ ਦੀ ਪਾਠ -ਸਮਗਰੀ 'ਤੇ ਆਧਾਰਿਤ ਹੋਵੇਗਾ। 2 ਅੰਕ
- (ੲ) ਭਾਸ਼ਾ-ਬੋਧ: 4 ਅੰਕ
 - ਇੱਕ ਪ੍ਰਸ਼ਨ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਜਾਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਭਾਸ਼ਾ ਦੇ ਮਹੱਤਵ ਨਾਲ ਸੰਬੰਧਿਤ।
 - ਇੱਕ ਪ੍ਰਸ਼ਨ ਗੁਰਮੁਖੀ ਲਿਪੀ ਨਾਲ ਸੰਬੰਧਿਤ।
 - ਦੋ ਪ੍ਰਸ਼ਨ ਉਪਭਾਸ਼ਾਈ ਸ਼ਬਦਾਵਲੀ ਨਾਲ ਸੰਬੰਧਿਤ ਹੋਣਗੇ। 10x1=10 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ:2 ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਪਾਠ-ਪੁਸਤਕ ਦੇ ਆਧੁਨਿਕ-ਕਾਵਿ ਵਿੱਚੋਂ ਚਾਰ ਬੰਦ ਦੇ ਕੇ ਕਿਸੇ ਦੋ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ ਕਰਨ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

(ਹਰੇਕ ਵਿੱਚ 2 ਅੰਕ ਪ੍ਰਸੰਗ ਦੇ ਅਤੇ 3 ਅੰਕ ਵਿਆਖਿਆ ਦੇ ਹੋਣਗੇ)

5+5=10 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ:3 ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚੋਂ ਕੋਈ ਦੋ ਰਚਨਾਵਾਂ ਦਾ ਸਿਰਲੇਖ ਅਤੇ ਕਵੀ ਦਾ ਨਾਂ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਦਾ ਕੇਂਦਰੀ ਭਾਵ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

4 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ: 4 ‘ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਪਾਠ-ਪੁਸਤਕ ਦੇ ‘ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਸੰਖੇਪ ਇਤਿਹਾਸ ਭਾਗ ਵਿੱਚੋਂ ਕੋਈ 3 ਪ੍ਰਸ਼ਨ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਦਾ ਉੱਤਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

9 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ: 5 ਅੱਖੀਂ ਡਿੱਠੀ ਦੁਨੀਆਂ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚੋਂ ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਚਾਰ ਪ੍ਰਸ਼ਨ ਪੁੱਛ ਕੇ ਕਿਸੇ ਦੋ ਦਾ ਉੱਤਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

4+4=8 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ: 6 ਅੱਖੀਂ ਡਿੱਠੀ ਦੁਨੀਆਂ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚੋਂ ਤਿੰਨ ਸਫ਼ਰਨਾਮਾ-ਅੰਸ਼ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਦਾ ਸਾਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

7 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ: 7 ‘ਭਾਸ਼ਾ-ਬੋਧ’ ਪਾਠ-ਪੁਸਤਕ !ਤੇ ਆਧਾਰਿਤ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ ਨਾਲ ਸੰਬੰਧਿਤ 6 ਪ੍ਰਸ਼ਨ ਪੁੱਛ ਕੇ ਕਿਸੇ 3 ਦਾ ਉੱਤਰ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

4+4+4=12 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਨੰ: 8 ‘ਭਾਸ਼ਾ-ਬੋਧ ਪਾਠ-ਪੁਸਤਕ ਵਿੱਚ ਦਿੱਤੀਆਂ ਪੰਜਾਬੀ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ’ਤੇ ਆਧਾਰਿਤ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ

(ੳ) ਉਪਭਾਸ਼ਾਈ ਅੱਠ ਸ਼ਬਦ ਦੇ ਕੇ ਉਹਨਾਂ ਵਿੱਚੋਂ ਕਿਸੇ 5 ਦਾ ਟਕਸਾਲੀ ਪੰਜਾਬੀ ਵਿੱਚ ਰੂਪਾਂਤਰ ਕਰਨ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

(ਅ) ਟਕਸਾਲੀ ਪੰਜਾਬੀ ਦੇ ਅੱਠ ਸ਼ਬਦ ਦੇ ਕੇ ਕਿਸੇ 5 ਦਾ ਉਪਭਾਸ਼ਾ ਵਿੱਚ ਮਿਲਦਾ ਰੂਪ ਪੁੱਛਿਆ ਜਾਵੇਗਾ।

(ੲ) ਕੋਈ 2 ਉਪ-ਭਾਸ਼ਾਈ ਰੂਪ ਦੇ ਕੇ ਕਿਸੇ ਇੱਕ ਉਪ-ਭਾਸ਼ਾ ‘ਤੇ ਉਦਾਹਰਨਾ ਸਹਿਤ ਸੰਖੇਪ ਨੋਟ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।

5+5+5=15 ਅੰਕ

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ: 20 ਅੰਕ

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਦੀਆਂ ਹਿਦਾਇਤਾਂ ਅਤੇ ਅੰਕ-ਵੰਡ

ਲੜੀ ਨੰ.	ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਦੀ ਰੂਪ-ਰੇਖਾ	ਅੰਕ
1.	ਪ੍ਰੋਜੈਕਟ: ਅੱਖੀਂ ਡਿੱਠੀ ਦੁਨੀਆਂ ਪੁਸਤਕ ਵਿੱਚੋਂ ਵੱਖ-ਵੱਖ ਸੈ-ਜੀਵਨੀ ਅੰਸ਼ਾਂ ਦੀ ਵਿਸ਼ਾ-ਸਮਗਰੀ ਨਾਲ ਸੰਬੰਧਿਤ ਹੇਠ ਲਿਖੇ ਪ੍ਰੋਜੈਕਟ ਬਣਾ ਕੇ ਸੰਬੰਧਿਤ ਵਿਸ਼ਾ-ਅਧਿਆਪਕ ਕੋਲ ਮੁਲਾਂਕਣ ਲਈ ਜਮ੍ਹਾਂ ਕਰਵਾਏ ਜਾਣਗੇ: 1. 02 ਚਾਰਟ 2. 01 ਸਕਰੈਪ- ਬੁੱਕ (ਸੰਬੰਧਿਤ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਤਸਵੀਰਾਂ ਆਦਿ ਦੀ ਸਮਗਰੀ ਵਾਲੀ) 3. 01 ਮਾਡਲ ਦਾ ਨਿਰਮਾਣ	10 ਅੰਕ(2+4+4)
2.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸੁੱਧ ਉਚਾਰਨ/ਬੋਲਣ-ਯੋਗਤਾ): ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਦੇ ਕਾਵਿ-ਅੰਸ਼ਾਂ ਦੇ ਆਧਾਰ ‘ਤੇ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।	03 ਅੰਕ
3.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸਰਵਣ/ਸੁਣਨ-ਯੋਗਤਾ): ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਦੇ ਕਾਵਿ-ਅੰਸ਼ਾਂ ਦੇ ਆਧਾਰ ‘ਤੇ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।	02
4.	ਭਾਸ਼ਾਈ ਸਮਰੱਥਾ (ਸੁੱਧ ਪੜ੍ਹਨ-ਯੋਗਤਾ): ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ) ਦੇ ਕਾਵਿ-ਅੰਸ਼ਾਂ ਦੇ ਆਧਾਰ ‘ਤੇ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।	03

5.	ਪੁਸਤਕਾਂ -ਬੈਂਕ/ਬੁੱਕ-ਬੈਂਕ: ਸੰਬੰਧਿਤ ਵਿਸ਼ੇ ਦੀਆਂ ਪੁਸਤਕਾਂ ਦੇ ਬੁੱਕ-ਬੈਂਕ ਵਿੱਚ ਯੋਗਦਾਨ ਪਾਉਣ ਅਤੇ ਉਹਨਾਂ ਦੀ ਸਾਂਭ-ਸੰਭਾਲ ਵਿੱਚ ਕਿਰਿਆਸ਼ੀਲ ਭੂਮਿਕਾ ਨਿਭਾਉਣ ਦੇ ਆਧਾਰ 'ਤੇ ਇਹ ਅੰਕ ਸੰਬੰਧਿਤ ਵਿਸ਼ਾ-ਅਧਿਆਪਕ ਵੱਲੋਂ ਦਿੱਤੇ ਜਾਣਗੇ।	02
ਕੁੱਲ ਅੰਕ		20

ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਪਾਠ-ਪੁਸਤਕਾਂ:

1. ਆਧੁਨਿਕ ਪੰਜਾਬੀ-ਕਾਵਿ (ਝਲਕਾਂ ਤੇ ਇਤਿਹਾਸ)
2. ਅੱਖੀਂ ਡਿੱਠੀ ਦੁਨੀਆਂ
3. ਭਾਸ਼ਾ -ਬੋਧ

Hindi

पाठ्यक्रम (2020-21)

विषय : हिंदी पूर्णांक (लिखित) -75+5(सुंदर लिखाई) =80
समय : 3 घंटे कक्षा : ग्यारहवीं आंतरिक मूल्यांकन= 20

विषय वस्तु	अंक
भाग-क : अति लघूत्तर प्रश्न (वस्तुनिष्ठ प्रश्न) संधि : स्वर, विसर्ग तथा व्यंजन वाक्य विश्लेषण, वाक्य संश्लेषण पाठ्य-पुस्तक हिंदी साहित्य का इतिहास (आदिकाल एवं भक्तिकाल) रस	20
भाग-ख : पाठ्य-पुस्तक (हिंदी पुस्तक- 11)	23
भाग-ग : हिंदी साहित्य का इतिहास (आदिकाल एवं भक्तिकाल)	08
भाग-घ : रचनात्मक लेखन 1.पत्र-लेखन 2.अनुच्छेद लेखन	07
भाग-ङ : व्यावहारिक ज्ञान 1. पंजाबी वाक्यों का हिंदी अनुवाद 2. पारिभाषिक शब्दावली (A से लेकर I तक) 3. संक्षेपीकरण	12 (4) (4) (4)
भाग-च : रस (शृंगार,करुण,हास्य, शांत, रौद्र ,वीर,अद्भुत,भयानक और वीभत्स)	05

पंजाब स्कूल शिक्षा बोर्ड द्वारा निर्धारित पाठ्य-पुस्तकें

- 1.हिंदी पुस्तक-11
- 2.हिंदी भाषा बोध और व्याकरण (ग्यारहवीं और बारहवीं कक्षा के लिए)
- 3.हिंदी साहित्य का इतिहास (ग्यारहवीं और बारहवीं कक्षा के लिए)

प्रश्न-पत्र की रूपरेखा

समय 3 घंटे

कक्षा - ग्यारहवीं

पूर्णांक (लिखित) -80

विषय : हिंदी

- प्रश्न-पत्र में कुल 14 प्रश्न होंगे ।
- सभी प्रश्न हल करने अनिवार्य होंगे ।
- प्रश्न-पत्र के छह भाग (क से च तक) होंगे ।

भाग-क : अति लघूत्तर प्रश्न (वस्तुनिष्ठ प्रश्न)

20

प्रश्न-1 : में (i) से (X) तक वस्तुनिष्ठ प्रश्न पूछे जायेंगे । प्रत्येक प्रश्न एक अंक का होगा। ये प्रश्न एक शब्द से एक वाक्य तक के उत्तर वाले अथवा हाँ/ नहीं अथवा रिक्त स्थानों की पूर्ति अथवा सही/ गलत अथवा बहुवैकल्पिक उत्तरों वाले, किसी भी प्रकार के हो सकते हैं।

- (i-iv) तक संधि/ संधिविच्छेद से सम्बन्धित चार वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $4 \times 1 = (4)$
- (v-vi) तक वाक्य विश्लेषण से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $2 \times 1 = (2)$
- (vii-viii) तक वाक्य संश्लेषण से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $2 \times 1 = (2)$
- (ix-xiii) तक पाठ्य -पुस्तक (हिंदी पुस्तक-11) में से पाँच वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $5 \times 1 = (5)$
- (xiv) से (xviii) तक हिंदी साहित्य का इतिहास (आदिकाल एवं भक्तिकाल) में से पाँच वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $5 \times 1 = (5)$
- (xix-xx) रस से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे। $2 \times 1 = (2)$

भाग-ख (पाठ्य -पुस्तक)

23

- प्रश्न-2 (i) हिंदी पुस्तक-11 में संकलित 'प्राचीन काव्य' में से दो पद्यांश दिये जायेंगे जिनमें से एक पद्यांश की सप्रसंग व्याख्या लिखने के लिये कहा जायेगा। प्रसंग के लिये 1 अंक तथा व्याख्या के लिये 3 अंक निर्धारित हैं। $1+3 = (4)$
- (ii) हिंदी पुस्तक-11 में संकलित 'आधुनिक काव्य' में से दो पद्यांश दिये जायेंगे जिनमें से एक पद्यांश की सप्रसंग व्याख्या लिखने के लिये कहा जायेगा। प्रसंग के लिये 1 अंक तथा व्याख्या के लिये 3 अंक निर्धारित हैं। $1+3 = (4)$

प्रश्न-3 'प्राचीन काव्य' तथा 'आधुनिक काव्य' की विषय वस्तु से सम्बन्धित दो लघूत्तर प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 50 शब्दों में लिखने के लिये कहा जायेगा। $2 \frac{1}{2}$

प्रश्न-4 पाठ्य - पुस्तक में संकलित गद्य भाग की विषय वस्तु से सम्बन्धित तीन निबन्धात्मक प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 80 शब्दों में लिखने के लिये कहा जायेगा। (5)

नोट :- प्रश्न-पत्र निर्माता पाठ्य-पुस्तक में संकलित गद्य भाग (निबन्ध, कहानी एवं एकांकी) की सभी विधाओं को पूर्ण प्रतिनिधित्व दे।

प्रश्न-5 पाठ्य पुस्तक में संकलित 'निबन्ध' भाग में से दो लघूत्तर प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 50 शब्दों में लिखने के लिये कहा जायेगा। 2½

प्रश्न-6 पाठ्य-पुस्तक में संकलित 'कहानी' भाग में से दो लघूत्तर प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 50 शब्दों में लिखने के लिये कहा जायेगा। 2½

प्रश्न-7 पाठ्य-पुस्तक में संकलित 'एकांकी' भाग में से दो लघूत्तर प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 50 शब्दों में लिखने के लिये कहा जायेगा। 2½

भाग-ग हिंदी साहित्य का इतिहास (आदिकाल एवं भक्तिकाल) 08

प्रश्न-8 इस प्रश्न में हिंदी साहित्य के 'आदिकाल'की प्रमुख परिस्थितियों, प्रमुख प्रवृत्तियों एवं प्रमुख कवियों से सम्बन्धित दो निबन्धात्मक प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 70-80 शब्दों में लिखने के लिये कहा जायेगा। (4)

प्रश्न-9 इस प्रश्न में हिंदी साहित्य के 'भक्तिकाल'की प्रमुख परिस्थितियों, प्रमुख प्रवृत्तियों एवं प्रमुख कवियों से सम्बन्धित दो निबन्धात्मक प्रश्न पूछे जायेंगे जिनमें से एक प्रश्न का उत्तर लगभग 70-80 शब्दों में लिखने के लिये कहा जायेगा। (4)

भाग-ध (रचनात्मक लेखन) 7

प्रश्न-10 यह प्रश्न पत्र- लेखन से सम्बन्धित होगा। इस प्रश्न में 100 प्रतिशत आन्तरिक विकल्प दिया जायेगा। (7)

अथवा

यह प्रश्न अनुच्छेद लेखन से सम्बन्धित होगा। कोई तीन विषय देकर उनमें से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखने के लिये कहा जायेगा। (7)

भाग-ङ (व्यावहारिक ज्ञान) 12

प्रश्न-11 यह प्रश्न अनुवाद से सम्बन्धित होगा। इस प्रश्न में पंजाबी के छह वाक्य देकर उनमें से किन्हीं चार वाक्यों का हिंदी में अनुवाद करने के लिये कहा जायेगा। (4)

प्रश्न-12 इसमें अंग्रेज़ी के छह पारिभाषिक शब्द दिये जायेंगे जिनमें से किन्हीं चार शब्दों के हिंदी रूप लिखने के लिये कहा जायेगा। 4×1 (4)

प्रश्न-13 यह प्रश्न संक्षेपीकरण से सम्बन्धित होगा। कोई एक अनुच्छेद देकर उसका संक्षेपीकरण करने के लिये कहा जायेगा। (4)

भाग-च : (रस) 05

प्रश्न-14 कोई दो रस देकर किसी एक रस की परिभाषा और उदाहरण लिखने के लिये कहा जायेगा। 2+3=(5)

कक्षा ग्यारहवीं
आंतरिक मूल्यांकन

20 अंक

आंतरिक मूल्यांकन की रूपरेखा

1. भाषायी कौशलों का मूल्यांकन

12 अंक

(क) श्रवण कौशल

(ख) वाचन कौशल

(ग) पठन कौशल

(घ) लेखन कौशल

(3)

(3)

(3)

(3)

2. पुस्तक बैंक

2 अंक

विद्यार्थी द्वारा स्कूल के पुस्तकालय में हिंदी विषय की पुस्तकों के संग्रह में योगदान देने के आधार पर मूल्यांकन किया जाए। स्कूल में बने पुस्तक बैंक में समय पर पुस्तकें जमा करवाने व पुस्तकों का रखरखाव करने आदि के आधार पर मूल्यांकन किया जाए।

3. परियोजना कार्य:

6 अंक

इसके अंतर्गत निर्धारित पाठ्यक्रम के आधार पर अध्यापक द्वारा विद्यार्थियों को परियोजना तैयार करने को कहा जाएगा, जिसका मार्गदर्शन अध्यापक करेगा। विद्यार्थी परियोजना लिखते समय उसे रुचिपूर्ण बनाने के लिए चित्रों का प्रयोग कर सकता है। इसके अंक निम्नलिखित प्रकार से निर्धारित होंगे।

विषय वस्तु की समझ एवं प्रस्तुतिकरण

2+4=6

CLASS - XI
ENGLISH ELECTIVE

Time: 3 Hrs

Theory: 80 Marks

IA: 20 Marks

(Assessment based on periodic tests:9 marks

*Project/Assignment:9 marks

Book bank: 2 marks)

Total: 100 Marks

STRUCTURE OF QUESTION PAPER
PART-A

Objective type question No.1 will be compulsory (10 marks)

(1) It will consist of 10 objective type questions carrying one mark each. Objective type questions may include questions with one word to one sentence answer **or** fill in the blank **or** true/false **or** multiple choice type questions.

- English Reader Book-V 5
- Selections from English Verse 2
- A Book of Essays and Stories 3

PART-B (ENGLISH READER BOOK-V) (14 marks)

Text for detailed study

(2) Comprehension of a passage

Comprehension is to be tested with the help of the following techniques:

- (i) Who spoke/wrote these words to whom/about whom/name of the chapter and the author
- (ii) Short - answer type questions
- (iii) Matching exercise
- (iv) Fill in the blanks
- (v) Meanings of difficult words in simple English 10 marks

(3) (a) An essay type question in about 125 words on character-sketch/ theme etc. (with internal choice) 4

PART -C (SELECTIONS FROM ENGLISH VERSE)

Text for detailed study (7 marks)

- (4) (a) Explanation with Reference to the Context (One out of two stanzas) 4
- (b) Central idea of a poem 3

PART-D (A BOOK OF ESSAYS AND STORIES) (18 marks)

Text for detailed study

- (5) (a) Short answer type questions from different lessons (four out of six) 4×3=12
- (b) One essay type question on character-sketch/theme (with internal choice) 6

PART-E (COMPOSITION AND GRAMMAR) (26 marks)

- (6) Application/Letter 5
- (7) Essay (One out of three) 5
- (8) Do as directed type question covering the following items:
 - (i) Voice 2
 - (ii) Narration 2
 - (iii) Use of words as a noun, a verb or an adjective/an adverb in a sentence (Only one word) 1
 - (iv) Combining two sentences with appropriate linkers. 1
 - (v) Fill in the blank with a suitable preposition or a determiner. 1
 - (vii) Various concepts 2

- (viii) Transformation of sentences 2
1. Translation from English into Vernacular 5
(A running passage of 4 sentences only)

(9) **Good Handwriting** - **5 Marks**

Note: A special question in lieu of translation for foreign students.

SYLLABUS

Book-I English Reader Book V

1. The Young Akbar
2. The Story of Sri Rama's Exile
3. The Discovery of Penicillin
4. The Story of Michael
5. Guru Gobind Singh
6. Sohrab and Rustam-I
7. Sohrab and Rustam-II
8. A Modern Miracle
9. Abou Hassan and his Wife
10. A Spark Neglected Burns the House-I
11. A Spark Neglected Burns the House II

Book-II Selections From English Verse

1. The Way of Poetry – *William Blake*
2. Going Downhill on a Bicycle – *H.C. Beeching*
3. My Native Land – *Walter Scott*
4. The Snake – *Emily Dickinson*
5. Abou Ben Adhem – *Leigh Hunt*
6. The Patriot – *Robert Browning*
7. The Brook – *Alfred Lord Tennyson*
8. Casabianca – *Mrs Hemans*
9. Robin Hood and Alan-A-Dale (*Anonymous*)
10. Elegy on the Death of a Mad Dog – *Oliver Goldsmith*
11. We are Seven – *William Wordsworth*
12. Lady Clare - *Alfred Lord Tennyson*
13. The Charge of the Light Brigade - *Alfred Lord Tennyson*

Book-III A Book of Essays and Stories

1. The Real Princess
2. Gulliver in Lilliput
3. Tom Whitewashes a Fence
4. A Street Scene
5. Build Yourself for Leadership
6. Controlling the Mind
7. Three Questions
8. The Cabuliwallah
9. The Emperor's New Clothes
10. Gandhi's Appeal
11. The Judgement Seat of Vikramaditya
12. The Black Cat
13. The Happy Prince
14. The Bet

15. The Last leaf

APPLIED GRAMMAR

1. The Sentence and its Forms
2. The Sentence and its Kinds
3. The Clause and its Kinds
4. The Structure of the Noun Phrase
5. Nouns
6. Pronouns
7. Determiners (The Use of Articles and their Equivalents)
8. Adjectives
9. The Structure of the Verb Phrase
10. The Main Verb: Transitive and Intransitive
11. Linking Verbs
12. The Tense
13. Preposition and Prepositional Phrases
14. Adverbs
15. Conditional Sentences
16. Adjective Clauses
17. Active and Passive Voice
18. Direct and Indirect Speech
19. Vocabulary Expansion
20. Short Responses
21. Various Concepts- How to express them(1)
22. Various Concepts- How to express them(2)
23. The Patterning of Certain Verbs

Composition

- | | |
|---|----------------|
| 1. Translation from English into Vernacular | 2. Application |
| 3. Letter | 4. Essay |

Note: A paragraph in lieu of translation for foreign students.

Books Prescribed & Published by the Punjab School Education Board.

- | | |
|----------------------------------|---------------------------------------|
| 1. English Reader Book-V | 3. A Book of Essays and Stories |
| 2. Selections from English Verse | 4. A Practice Book of English Grammar |

Note: All the lessons in the above books are included in the syllabus. No part has been deleted.

पाठ्यक्रम (2020-21)

विषय : संस्कृत

कक्षा : ग्यारहवीं

प्रश्नपत्र में कुल 14 प्रश्न होंगे।

प्रश्न पत्र में चार भाग (क से घ तक) होंगे ।

भाग - क

अति लघूत्तर प्रश्न (वस्तुनिष्ठ प्रश्न)

प्रश्न-1 में (i) से (x) तक वस्तुनिष्ठ प्रश्न पूछे जायेंगे । प्रत्येक प्रश्न एक अंक का होगा ।ये प्रश्न एक शब्द से एक वाक्य तक के उत्तरों वाले अथवा हाँ/नहीं अथवा सही/गलत अथवा बहुवैकल्पिक उत्तरों वाले, किसी भी प्रकार के हो सकते हैं ।यह प्रश्न पाठ्यक्रम से ही पूछे जायें।

(i) से (ii) तक शब्द रूप (पुल्लिंग ,स्त्री लिंग तथा नपुंसकलिंग) से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे ।

(iii) से (iv) तक धातुरूप (लटलकार, लोटलकार,लङ्लकार, विधिलिङ् लकार, लृटलकार) से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे ।

(v) से (vi) तक केवल (इतरेतर, एकशेष ,समाहार) द्वन्द्व समास से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे

(vii) से (viii) तक तुलनात्मक प्रत्यय अथवा स्त्री प्रत्यय से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे।

(ix) से (x) तक सन्धि से सम्बन्धित दो वस्तुनिष्ठ प्रश्न पूछे जायेंगे

भाग -ख

(पाठ्य पुस्तक के 1 से 18 तक पाठ)

- 2 गद्यांशों का हिन्दी या पंजाबी या अंग्रेज़ी में अनुवाद ।
- 3 पद्य का हिन्दी या पंजाबी या अंग्रेज़ी में प्रसंग सहित अर्थ ।
- 4 पाठों के अभ्यासों में से हिन्दी में प्रश्न ।
- 5 पाठों के अभ्यासों में से संस्कृत लघु प्रश्न ।
- 6 पाठों के अभ्यासों में से संस्कृत शब्दों के हिन्दी में अर्थ ।
- 7 पाठों के अभ्यासों में से रिक्त स्थान पूर्ति ।

अथवा

पाठों के अभ्यासों में से यथानिर्दिष्ट परिवर्तन ।

भाग- ग

नाटक (19 , 20 पाठ)

- 8 (क) नाटक के अंशों का प्रसंग सहित अर्थ हिन्दी या पंजाबी या अंग्रेज़ी में।
(ख) नाटक के अभ्यासों पर आधारित हिन्दी में प्रश्न ।

भाग-घ

(व्याकरण भाग)

- 9 (क) शब्द रूप : (पु.) देव, पति, सखि, साधु, महत्, वलवत्, पठत्, गच्छत्, आत्मन्,।
(नपुं.) फल , पठत ,नामन् महत्, गच्छत्,।
(स्त्री.) प्रभा , नदी वधू प्रभा, महती, गच्छन्ती, पठन्ती।
सर्वनाम सब लिंगों और विभक्तियों में -युस्मद् ,अस्मद् ,तद्, एतद्, यद्, इदम्, किम्,सर्व।
(ख) धातु रूप : (लट्, लोट्, लङ्, विधिलिङ् , लृटलकार)
भ्वादिगण : (परस्मैपद) गर्ज ,सृ ,तृ ,।
आत्मनेपद- लभ् , सेव् , वृत् ।
तुदादिगण : (प.) सिच् ।
दिवादिगण : (प.) शम् ।

चुरादिगण : उभयपद (प.)चिन्त ,तुल् ,पाल् कथ्

10 वाक्य शुद्धि : अशुद्ध- शुद्ध वाक्यों पर आधारित ।

अथवा

वाच्य परिवर्तन :- कर्तृवाच्य ,कर्मवाच्य , भाववाच्य की सरल रचनाएं केवल लटलकार में ।

11 समास :

केवल (इतरेतर , एकशेष ,समाहार) द्वन्द्व समास ।

अथवा

सन्धि :

स्वर सन्धि :-पूर्वरूप विधि , पररूप विधि , प्रकृतिभाव सन्धि ।

व्यंजन सन्धि :-श्चुत्व विधि , ष्टुत्व विधि , छत्व विधि, चर विधि , अनुनासिक विधि, अनुस्वर विधि , षत्व विधि , लत्व विधि , जश् विधि ,पूर्व सवर्ण विधि ।

विसर्ग सन्धि - लोप विधि , उत्त्व विधि ,स्त्व विधि , शत्व विधि , सत्व विधि ।

12 निम्नलिखित धातुओं के साथ क्त, क्तवतु ,शतृ ,शानच् , प्रत्यय लगाकर तीनों लिंगों में केवल प्रथमा विभक्ति एकवचन के रूप -भू, पठ्, लिख् ,नम्, हस्, वस्, चल्, पत्, खाद् धाव्,क्रीड्, दृश्, स्था, पा, सेव्, वृत्, वृध्, लभ् ।

अथवा

निम्नलिखित धातुओं के साथ क्त्वा प्रत्यय के रूप तथा उपयुक्त उपसर्ग लगाकर ल्यप् प्रत्यय के रूप गम्, नम्, नश्, पत्, क्षल्, जि, नी, विश्, भू, स्था, घ्रा, दा, आप, कृ, हृ,स्मृ।

13 तुलनात्मक प्रत्यय: विशेषणों के साथ केवल तरप् तथा तमप् प्रत्यय ।

अथवा

तद्धित प्रत्यय - केवल भाववाची त्व और ता प्रत्यय ।

अथवा

स्त्री प्रत्यय - ई तथा आ प्रत्यय के सरल प्रयोग ।

14 हिन्दी सरल वाक्यों का संस्कृत में अनुवाद ।

निर्धारित पुस्तक : संस्कृत सौरभम्- 11 पंजाब स्कूल शिक्षा बोर्ड द्वारा प्रकाशित

आन्तरिक मूल्यांकन

आन्तरिक मूल्यांकन के कुल 20 अंक हैं, जो दो भागों में विभक्त किया गया है।

भाग- क (गतिविधियां)

अंक 10

यह मूल्यांकन विद्यार्थी द्वारा पूर्ण साल में की गई गतिविधियों पर आधारित होगा ।

(क) विद्यार्थी की कक्षा में उपस्थिति = 2 अंक

(ख) गृहकार्य = 2 अंक

(ग) घरेलू परीक्षाओं पर आधारित मूल्यांकन = 4 अंक

(घ) पुस्तक बैंक = 2 अंक (विद्यार्थी पुस्तकालय में संस्कृत विषय की पुस्तकों के संग्रह में योगदान देगा जिससे पुस्तकालय में संस्कृत विषय की पुस्तकों के भण्डार में वृद्धि होगी)

भाग- ख (परियोजनाकार्यम्)

अंक 10

यह मूल्यांकन संस्कृत भाषा के प्रति विद्यार्थी के सामान्य ज्ञान पर आधारित होगा । निम्नलिखित विषयों पर विद्यार्थी के ज्ञान का परीक्षण किया जाये।

(1) वाचन कौशल- वाचन कौशल के अंतर्गत विद्यार्थियों की वाचन कुशलता को विकसित करने के लिए पठ्य-पुस्तक में दिए गए गद्य- पद्य भाग में कोई एक अनुच्छेद पढ़ने को दिया जायेगा ।

लाभ-

1. हाव- भाव सहित शुद्ध उच्चारण कौशल का विकास ।
2. व्याकरणिक दृष्टि से उच्चारण में शुद्धता का विकास ।
3. विद्यार्थियों में भाषण कौशल का विकास ।
4. प्राचीन संस्कृत साहित्य पढ़ने की रूचि का विकास

अंक= 3

(2) श्रवण कौशल- श्रवण कौशल के अंतर्गत विद्यार्थियों की श्रवण कुशलता को विकसित करने के लिए पठित सामग्री को सुनकर अर्थ ग्रहण करना,वार्तालाप करना, वाद-विवाद, संस्कृत गीतों को सुनने की कुशलता का विकास करना ।

अंक= 3

लाभ-

1. श्रवण के माध्यम से विद्यार्थियों में एकाग्रता विकसित होगी ।
2. मनन शक्ति का विकास होगा ।
3. प्राचीन संस्कृत साहित्य सुनने की रूचि का विकास होगा ।

(3) अध्यापक परियोजनाकार्य भाग में स्वतन्त्र रूप से भी कक्षा में कार्य करवा सकता है। परियोजनाकार्य का उद्देश्य संस्कृत भाषा में विद्यार्थी के लेखन कौशल का विकास करना है । इसके अंतर्गत निर्धारित पाठ्यक्रम के आधार पर अध्यापक द्वारा विद्यार्थियों को परियोजना तैयार करने को कहा जाएगा, जिसका मार्गदर्शन अध्यापक करेगा । परियोजना लिखते समय उसे रुचिपूर्ण बनाने के लिए विद्यार्थी चित्रों का प्रयोग भी कर सकता है ।

अंक=4

विषय : संस्कृत
कक्षा : ग्यारहवीं
प्रश्न- पत्र की रूपरेखा

समय : 3 घण्टे

कुल अंक : (लिखित=75+5 सुन्दर लिखाई) =80
आन्तरिक मूल्यांकन = 20

भाग क

1 अति लघूत्तर प्रश्न (वस्तुनिष्ठ प्रश्न) 10x1=10

भाग = ख

(पाठ्य पुस्तक)

नोट : पहले दो प्रश्नों का उत्तर हिन्दी या पंजाबी या अंग्रेज़ी में दिया जा सकता है ।

- 2 तीन गद्यांश दिए जाएं जिनमें से दो का अनुवाद करने को कहा जाए । 4x2=8
3 तीन पद्य दिए जाएं जिनमें से दो का प्रसंग सहित अर्थ लिखने को कहा जाए। 4x2=8
4 पाठों के अभ्यासों में से चार प्रश्न हिन्दी में पूछे जाएं, जिनमें से दो का उत्तर हिन्दी में लिखने को कहा जाए । 2x2=4
5 संस्कृत में चार लघु प्रश्न दिए जाएं , जिनमें से दो का उत्तर संस्कृत में लिखने को कहा जाए। 2x2=4
6 पाठों के अभ्यासों में से सात संस्कृत शब्द दिए जाएं, जिनमें से तीन शब्दों का हिन्दी में अर्थ लिखने को कहा जाए । 3 x1=3
7 पाठों के अभ्यासों में से छः रिक्त स्थान पूर्ति के वाक्य दिए जाएं जिनमें से चार रिक्त स्थानों की पूर्ति करने को कहा जाए।

अथवा

यथानिर्दिष्ट परिवर्तन के छः वाक्य दिए जाएं जिनमें से चार वाक्यों में परिवर्तन करने को कहा जाए। 4 x1=4

भाग (ग) नाटक भाग

- 8 (क) नाटक भाग में से दो गद्यांश दिए जाएं जिनमें से एक का प्रसंग सहित अर्थ हिन्दी या पंजाबी या अंग्रेज़ी में लिखने को कहा जाए । प्रसंग के 2 अंक तथा अर्थ के 2 अंक हैं । 1x4=4
(ख) नाटक के अभ्यासों में से चार प्रश्न हिन्दी में पूछे जाएं , जिनमें से दो का उत्तर हिन्दी में लिखने को कहा जाए । 2x1=2

भाग (घ) व्याकरण भाग

- 9 (क) पाठ्यक्रम में दिए गये शब्द रूपों में से छः शब्दों के रूप किसी एक विभक्ति के तीनों वचनों में पूछे जायें जिनमें से केवल चार शब्दों के रूप लिखने हों । 4x1½=6
(ख) पाठ्यक्रम में दिए गये धातु रूपों में से छः धातुओं के रूप किसी एक लकार के एक पुरुष के तीनों वचनों में पूछे जायें जिनमें से केवल चार धातुओं के रूप लिखने हों । 4x1½=6

- 10 कारक सम्बन्धी अशुद्धि वाले पाँच वाक्य दिये जायें जिनमें से तीन वाक्यों को शुद्ध करने को कहा जाये ।

अथवा

वाच्य परिवर्तन के पाँच वाक्य दिए जाएं जिनमें तीन वाक्य हल करने को कहा जाए।

- 11 पाठ्यक्रम में दिए गए समासों से संबंधित सात समस्त पद दिए जाएं जिनमें से चार का विग्रह करने को कहा जाए । 3x1=3
अथवा
- 12 पाठ्यक्रम में दी गई सन्धियों में से सात सन्धि विच्छेद दिये जाएं जिनमें से चार करने को कहा जाए। 4x1=4
- 12 पाठ्यक्रम के अनुसार सात धातुओं के साथ कृदन्त प्रत्यय लगाने के लिए दिए जाएं जिनमें से तीन करने को कहा जाए ।
अथवा
पाठ्यक्रम के अनुसार सात धातुओं के साथ क्त्वा प्रत्यय के रूप तथा ल्यप् प्रत्यय के रूप बनाने के लिए दिए जाएं जिनमें से तीन करने को कहा जाए 3x1=3
- 13 पाठ्यक्रम में से तुलनात्मक प्रत्यय : विशेषणों के साथ केवल तरप् तथा तमप् प्रत्यय के छः रूप दिये जायें जिनमें चार करने को कहा जाए ।
अथवा
तद्धित प्रत्यय केवल भाववाची त्व और ता प्रत्यय के छः रूप दिये जायें जिनमें चार करने को कहा जाए। 4x1/2=2
अथवा
स्त्री प्रत्यय के छः रूप दिये जायें जिनमें चार करने को कहा जाए ।
- 14 हिन्दी के आठ वाक्य दिए जाएं जिनमें से चार वाक्यों का संस्कृत में अनुवाद करने को कहा जाए । 4x1=4

**CLASS-XI
HISTORY
(2020-21)**

Time : 3 Hrs

**Theory : 80 Marks
Project work/ IA : 20 Marks
Total:100 Marks**

STRUCTURE OF QUESTION PAPER

1. All questions are compulsory.
2. The question paper will comprises 5 questions in section A, B, C, D and E with sub parts . The question paper will carry:

SECTION- A

1. Objective Type Question: This section comprises questions with one word to one sentence answer/ Fill in the blank/ True or false/ Multiple choice type questions. Question No. 1 comprises of 20 sub parts (questions I to XX) carry 1 mark each. **20×1=20**

SECTION- B

2. Short Answer type Question:This question comprises of 4 sub parts (question i to iv) carry 3 marks each. Answer to each question should be in about 35-40 words. **4×3=12**

SECTION- C

3 . Source Based Question:This section comprises 2 sub parts I to II (based on a passage given) carry 5 marks **2*5=10**

SECTION- D

4.Long answer Question:This questioncomprises of 7 sub parts (question no. i to vii) carry 6 marks each.Students have to attempt any 4 question out of 7 Answer to each question should be in about 100-150 words. **4*6= 24**

SECTION- E

5. Map Question:This sectioncomprises one question of map carries 14 marks (10marks for showing 4 places and 4 marks for explanation of those places to be written in 20 to 25 words) with 100% internal choice. **10+4**

QUESTION WISE BREAK UP

Type of Question	Marks Per Question	Total no. of Questions	Total Marks
Objective Type (Learning checks)	1	20	20
Short answerType(VSA)	3	4	12
Source Basedquestion	5	2	10
Long AnswerType (LA)	6	4(7)	24
Map Skill Based	10+4	1	14
Total			80

WEIGHTAGE OF DIFFICULTY LEVEL

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (AV)	50%
(iii) Difficult (D)	20%

WEIGHTAGE OF MARKS UNIT WISE

	Objective. T Q 1 Mark	Short Answer 3 Marks	Source Based 5 Marks	Long Answer 6 Marks	Map Question 14 marks	Project work/IA 20 marks
Unit -1	1(5)	3(1)	Passage From prescribed Source 5*2	6(1)		
Unit - 2	1(5)	3(1)		6(1)		
Unit- 3	1(5)	3(1)		6(1)		
Unit- 4	1(5)	3(1)		6(1)		
MapWork					1(10+4)	
Total	1x20=20	3x4=12	5x2=10	6x4=24	1(10+4)=14	20 marks

COURSE STRUCTURE:

SYLLABUS

UNIT-A

- I. Indus Valley Civilisation: a synoptic view of research material, culture, socio - cultural life; decline and disappearance.
- II. The Indo-Aryans: Early settlements; political organisations; Economic life; Social Institutions; religious beliefs and practices; legacy.
- III. Buddhism and Jainism: the socio-political environment, major doctrines; socio-political impact; Legacy.
- IV. The Mauryas: The background to their rise into power; establishment and consolidation of their empire: Ashoka's Dhamm; social and cultural life during their rule.
- V. The age of the Guptas: establishment and consolidation of the Gupta empire, major socio-cultural achievement of the age; Legacy.
- VI. The Vardhanas and their times: Political supremacy in the North; Kingdoms of the South; cultural achievements of the age; Legacy.

UNIT-2

- VII. The Rajputs: establishment their kingdom; Political conflict and change; socio-political structure; survival.
- VIII. The Sultanate of Delhi: establishment of Turkish Rule, Dynastic changes and the fortunes of the Sultanate, administration; the ruling classes; art, and architecture, Socio-religious life.
- IX. Kingdoms of the South: The Bahmani empire and its successor states; the Vijayanagar empire; administration, the ruling classes: art architecture; socio-religious life.
- X. Socio-religious movements; Vashnava Bhakti; the Saints.

- XI. Guru Nanak Dev Ji and Foundation of Sikhism: Socio-religious environment; Development of Sikhism (1539-1605); Transformation of Sikhism (1605-1966); Discovery of a new panth, foundation of a new panth, Legacy.

UNIT-3

- XII. Establishment of the Mughal empire: Mughal Afghan contest; consolidation of the Mughal
- XIII. Mughal Policy and Administration: Conception of Kingship: attitude towards the subjects people; central and provincial administration; administration of justice and local administration; the mansabdari system.
- XIV. Rise of new powers in the South: with special reference to the Marathas.
- XV. Rise of new powers in the North: with special reference to the Sikhs.
- XVI. Maharaja Ranjit Singh: Conquests and consolidation; the new ruling classes; administration; attitude towards the subject people; relationship with sovereign powers; the Legacy.
- XVII. Advent of the Europeans and their struggle for supremacy: the Portuguese; the Dutch: The French: Anglo French rivalry; emergence of East India Company as a political power in India.

UNIT-4

- XVIII. Expansion and Consolidation of the British empire; expansion through war and diplomacy; Imperial framework: administration and bureaucracy.
- XIX. Social and Economic changes under British rule: means of communication and transportation; raw materials for exports: industrial development; the India elite; the middle classes; the working class.
- XX. Socio-religious movements; construction, Bramho Smaj, Aligarh movement, Nirankari movement, Kuka movement and Singh Sabha movement.
- XXI. Political Consciousness and struggle for Representative Government in India: the revolt of 1857 and its legacy; the Indian National Congress; the Home Rule Movement; Constitutional Reforms; Jallianwala Bagh massacre and its impact demand for independence.
- XXII. Towards Freedom: the Quit India Movement and its aftermath; transfer of power.

- (i) Sites of Indus Valley Civilization;
- (ii) Extent of Ashoka's empire;
- (iii) Extent of Samundragupta's empire;
- (iv) Important Historical places;
- (v) India in 1526;
- (vi) Extent of Akbar's empire;
- (vii) Extent of Ranjit Singh's empire;
- (viii) Important historical places;

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

Practical Examination

Allocation of Marks (20)

The marks will be allocated under the following heads:

A	Project (as per syllabus)	10 Marks
	Research Design	
	i. Overall format	1 Mark
	ii. Research question/Hypothesis	1 Mark
	iii. Choice of the technique	2 Marks
	iv. Detailed procedure for implementation of technique	2 Marks
	v. Limitations of the above technique	2 Marks
	vi. Viva	2 Marks
B	Subject Enrichment Activities /practical work	8 Marks
C	Book bank	2 Marks
Total		20 Marks

ECONOMICS (HUMANITIES/COMMERCE GROUP)
CLASS – XI
2020-21

Time Allowed: 3 Hrs

Theory: 80 Marks
Project Work: 20 Marks
Marks Total: 100 Marks

STRUCTURE OF QUESTION PAPER

There will be 15 Questions in all. All Questions will be compulsory.(Use of simple calculator will be allowed for Numerical questions)

Section A.

Question No. 1 will consist of 11 sub parts (a to k) carrying 1 mark each. Objective type questions may include questions with one word to one sentence answer/fill in the blank/true or false/multiple choice type questions/Numerical questions.

$$1*11=11$$

Question no 2 to 3 will carry 2 mark each question (out of which 1 questions will be theoretical and 1 numerical) . Answer to each question should be in about 30-35 words .

$$2*2=4$$

Question no 4 Consist of 3 sub parts (i-iii) out of which 1 questions will be Numerical and 1 will be theoretical . (Attempt any 2 questions out of 3) .Each question will carry 4 marks Answer to the theoretical should be in about 60-70 words .

$$2*4=8$$

Question no 5 consist of 3 theoretical sub parts (i-iii) (Attempt any 2 questions out of 3) Each question will carry 6 marks Answer to the theoretical questions should be in about 150-200 words .

$$2*6=12$$

Section B.

Question No 6 consist of 6 sub parts (a to f) carrying 1 mark each. Objective type questions may include questions with one word to one sentence answer/fill in the blank/true or false/multiple choice type questions/Numerical questions.

$$1*6=6$$

Question no 7 to 9 will carry 2 mark each , out of which 1 question will be theoretical and 2 numerical . Answer to theoretical question should be in about 30-35 words .

$$3*2=6$$

Question no 10 Consist of 4 sub parts (i-iv) out of which 2 questions will be Numerical and 2 will be theoretical . (Attempt any 3 questions out of 4) .Each question will carry 4 marks Answer to the theoretical should be in about 60-70 words .

$$3*4=12$$

Question no 11 , Attempt 1 question out of 2 . Out of which 1 will be numerical and 1 will be theoretical Each question will carry 6 marks Answer to the theoretical questions should be in about 150-200 words .

$$2*6=12$$

Section C

Question No. 12 consist of 3 sub parts (a to c) carrying 1 mark each. Objective type questions may include questions with one word to one sentence answer/fill in the blank/true or false/multiple choice type questions/Numerical questions.

$$1*3=3$$

Question no 13 will carry 2 marks , attempt 1 out of 2 question. Answer to each question should be in about 30-35 words .

$$1*2=2$$

Question no 14 will carry 4 marks (Attempt any 1 questions out of 2) .Each question will carry 4 marks Answer should be in about 60-70 words .

$$1*4=4$$

Question no 15 consist of 2 sub parts (i-ii) consist of theoretical questions (Attempt any 1 questions out of 2) Each question will carry 6 marks Answer to the theoretical questions should be in about 150-200 words .

$$1*6=6$$

Unit-wise Weightage to Content

Unit No	Name of the Unit	1 mark Questions	2 Marks Questions	4 Marks Questions	6 Marks Questions
Section-A (Introductory Microeconomics)					
		Attempt all (11)	Attempt all (2)	Attempt any (2)	Attempt any 2
1	Introduction	2	1	--	1
2	Consumer's Equilibrium and Demand	3		1	
3	Producer Behaviour and Supply	3	1	1	1
4	Forms of Market and Price Determination under Perfect Competition with simple applications.	3		1	1
Section-B (Statistics for Economics)					
		Attempt all (6)	Attempt all (3)	Attempt any 3	Attempt any 1
5	Introduction	1	1	1	1
6	Collection, Organisation and Presentation of data	1	1	1	
7	Statistical Tools and Interpretation	2	1	1	1
8	Measures of Dispersion	2	1	1	
Section C Punjab Economy					
	Punjab Economy	Attempt all (3)	Attempt any 1	Attempt any 1	Attempt any 1
9	Manpower and physical Resources of Punjab , Agriculture Development of Punjab since 1966	1	1	1	1
10	Industrial Development of Punjab since 1966	1	1	1	1
11	Financial Position of Punjab Govt.	1			
	Total	20*1=20	6*2=12	6*4=24	4*6=24

Theory: 80 Marks Project: 20 Marks

3 Hours

Units	Part A	Marks
	Introductory Microeconomics	
Unit 1	Introduction	3
Unit 2	Consumer's Equilibrium and Demand, Elasticity of Demand	10
Unit 3	Producer Behaviour and Supply	11
Unit 4	Forms of Market and Price Determination under perfect competition with simple applications	11
		35
	Part B	
	Statistics for Economics	
Unit 5	Introduction	3

Unit 6	Collection, Organisation and Presentation of Data	6
Unit 7	Statistical Tools and Interpretation; Measures of Central Tendency- Mean (simple) Median and Mode by inspection method only.	10
Unit 8	Measures of Dispersion -; Absolute dispersion (Range, Quartile, Decile, Percentile , Quartile Deviation, (co-efficient of range, co-efficient of quartile-deviation, Mean deviation, standard deviation); relative dispersion, co-efficient of mean deviation, co-efficient of variation	11
		30
	Part- C	
	Punjab Economy	
Unit 9	Manpower and physical Resources of Punjab , Agriculture Development of Punjab since 1966 s	15
Unit 10	Industrial Development of Punjab since 1966	
Unit 11	Financial Position of Punjab Govt.	
		35+30+15=80
Part C	Project Work	20

Syllabus 10+1 Economics Session 2020-21

Part A : Introductory Microeconomics

Unit 1: Introduction

What is Economics? Meaning of microeconomics and macroeconomics; positive and normative economics.

What is an economy? Central problems of an economy: what, how and for whom to produce;

Unit 2: Consumer's Equilibrium and Demand

Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve;

Price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method.

Unit 3: Producer Behaviour and Supply

Meaning of Production ,concepts of total product , Average Product and Marginal Product. concept of short Run and long Run in production

Cost: Short run costs - total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-**Revenue** - total, average and marginal revenue - meaning and their relationship.

Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost.

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

Unit 4: Forms of Market and Price Determination under Perfect Competition with simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. Other Market Forms - monopoly, monopolistic competition, oligopoly - their meaning and features.

Part B: Statistics for Economics

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various

simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behavior of various economic data.

Unit 5: Introduction; *Meaning, scope, functions and importance of statistics in Economics*

Unit 6: Collection, Organisation and Presentation of data

Collection of data - sources of data - primary and secondary; how basic data is collected, with concepts of Sampling; Sampling and Non-Sampling errors; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation. **Organisation of Data:** Meaning and types of variables; Frequency Distribution.

Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph).

Unit 7: Statistical Tools and Interpretation

Measures of Central Tendency- Mean (simple) Median and Mode by inspection method only.

Unit 8 Measures of Dispersion -; Absolute dispersion (Range, Quartile, Decile, Percentile, Quartile Deviation, (co-efficient of range, co-efficient of quartile-deviation, **Mean deviation, standard deviation**); relative dispersion, co-efficient of mean deviation, co-efficient of variation

Part C: Punjab Economy;

Unit 9: Manpower and physical Resources of Punjab, Agriculture Development of Punjab since 1966

Unit 10: Industrial Development of Punjab since 1966

Unit 11: Financial Position of Punjab Govt.

Developing Project in Economics

The students may be encouraged to develop projects, as per the suggested project guidelines. Case studies of a few organisations / outlets may also be encouraged. Under this the students will do **only ONE comprehensive project** using concepts from both part A and part B.

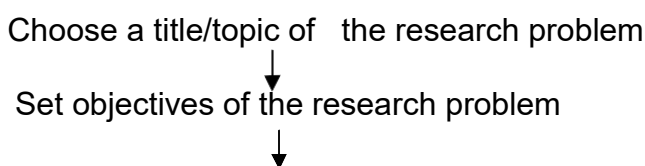
Some of the examples of the projects are as follows (they are not mandatory but suggestive):

- 1 A report on demographic structure of your neighbourhood.
- 2 Changing consumer awareness amongst households.
- 3 Dissemination of price information for growers and its impact on consumers.
- 4 Study of a cooperative institution: milk cooperatives, marketing cooperatives, etc.
- 5 Case studies on public private partnership, outsourcing and outward Foreign Direct Investment.
- 6 Global warming.
- 7 Designing eco-friendly projects applicable in school such as paper and water recycle.

The idea behind introducing this unit is to enable the students to develop the ways and means by which a project can be developed using the skills learned in the course. This includes all the steps involved in designing a project starting from choosing a title, exploring the information relating to the title, collection of primary and secondary data, analysing the data, presentation of the project and using various statistical tools and their interpretation and conclusion.

Scope of the project:

Learners may work upon the following lines as a suggested flow chart:



Design of a questionnaire /Selection of Sources

Framing a sample & collection of data / material



Classification of data / material



Presentation of data/ material (with graphs and tables)



Analysis of data/ material with (percentage /statistical techniques;mean,median,SD,CV)



Interpretation of data/ material (draw the relevant conclusion from the collected data/material)



Suggetions to solve the problem



References / Bibliogrhaply

CLASS - XI
MATHEMATICS

Time: 3 Hrs

Theory: 80 Marks
Internal Assessment: 20 Marks
Total: 100 Marks

1. All the questions are compulsory.
2. The question paper consists of 36 questions divided into 4 sections A,B,C,and D.
3. Section A comprises of 20 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 6 questions of 4 marks each. Section D comprises of 4 questions of 6 marks each.
4. There is no overall choice. However, an internal choice has been provided in one question of 2 marks, two questions of 4 marks each and three questions of 6 marks each. You have to attempt only one of the alternatives in all such questions.
5. Use of calculators is not permitted.

Sr. No	Unit	Topic	Q. Carrying 1-Marks	Q. Carrying 2-Marks	Q. Carrying 4-Marks	Q. Carrying 6-Marks	Total Marks
1	SET AND FUNCTION	Sets	1	-	1	-	05
2		Relations & Functions	2	-	1	-	06
3		Trigonometric Functions	2	-	1	1	12
4	ALGEBRA	Principle of Mathematical Induction	-	-	1	-	04
5		Complex numbers & Quadratic Equations	2	-	-	1	08
6		Linear Inequalities	1	-	-	1	07
7		Permutations & Combinations	2	1	-	-	04
8		Binomial Theorem	1	1	-	-	03
9		Sequence & Series	2	1	-	-	04
10	CO-ORDINATE GEOMETRY	Straight lines	1	-	1	-	05
11		Conic Sections	1	1	-	-	03
12		Introduction to Three- dimensional Geometry	-	1	-	-	02
13	CALCULUS	Limits & Derivatives	1	-	1	-	05

14	MATHEMATICAL REASONING	Mathematical Reasoning	2	-	-	-	02
15	STATISTICS AND PROBABILITY	Statistics	1	1	-	-	03
16		Probability	1	-	-	1	07
Total Questions			20	6	6	4	36
Total Marks			20	12	24	24	80

SYLLABUS

Unit-I: Sets and Functions

1. Sets

Sets and their representations. Empty set. Finite and Infinite sets. Equal sets. Subsets, Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set, Properties of Complement sets.

2. Relations & Functions

Ordered pairs, Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$).

Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.

3. Trigonometric Functions

Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, and their single applications. Deducing the identities like following :

$$\tan(X \pm Y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \cdot \cot y \mp 1}{\cot y \pm \cot x}$$

$$\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$$

$$\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$$

$$\cos \alpha - \cos \beta = 2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$$

Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$. General solution of trigonometric equations of the type $\sin y = \sin a$, $\cos y = \cos a$ and $\tan y = \tan a$.

Unit-II: Algebra

4. Principle of Mathematical Induction

Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.

5. Complex Numbers and Quadratic Equations

Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane and polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients) in the complex number system. Square root of a complex number.

6. Linear Inequalities

Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities in two variables.

7. Permutations and Combinations

Fundamental principle of counting. Factorial $n(n!)$ Permutations and combinations, derivation of Formulae for nP_r and nC_r and their connections, simple applications.

8. Binomial Theorem

History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, General and middle term in binomial expansion, simple applications.

9. Sequence and Series

Sequence and Series. Arithmetic Progression (A. P.). Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. Formulae for the following special sums.

$$\sum_{k=1}^n k \quad \sum_{k=1}^n k^2 \quad \text{and} \quad \sum_{k=1}^n k^3$$

Unit-III Coordinate Geometry

10. Straight Lines

Brief recall of two dimensional geometry from earlier classes. Shifting of origin. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Equation of family of lines passing through the point of intersection of two lines. Distance of a point from a line.

11. Conic Sections

Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple

properties of parabola, ellipse and hyperbola. Standard equation of a circle.

12. Introduction to Three-dimensional Geometry

Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points and section formula.

Unit-IV: Calculus

13. Limits and Derivatives

Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.

Unit-V: Mathematical Reasoning

14. Mathematical Reasoning

Mathematically acceptable statements. Connecting words/ phrases - consolidating the understanding of "if and only if (necessary and sufficient) condition", "implies", "and/or", "implied by", "and", "or", "there exists" and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words, difference among contradiction, converse and contrapositive.

Unit-VI: Statistics and Probability

15. Statistics

Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distributions with equal means but different variances.

16. Probability

Random experiments; outcomes, sample spaces (set representation). Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.

INTERNAL ASSESSMENT	20 Marks
Mathematics Activities	10 Marks
Periodic Tests (Best 2 out of 3 tests conducted)	8 Marks
Book Bank	2 Marks

Note : For activities NCERT Lab Manual may be referred.

Conduct of Periodic Tests

1. Periodic Test is a Pen and Paper assessment which is to be conducted by the subject teacher.
2. In the entire Academic Year, three Periodic Tests in each subject may be conducted.

3. Once schools complete the conduct of all three periodic tests, they will convert the weightage of each of the three tests into ten marks each for identifying best two tests. The best two will be taken into consideration and the average of the two shall be taken as the final marks for PT.
4. The school will ensure simple documentation to keep a record of performance.

Assessment of Activity Work:

Time : 2hrs

10 Marks

Throughout the year any 10 activities shall be performed by the student from the activities given in the NCERT Laboratory Manual for the respective class (XI or XII) which is available on the link : <http://www.ncert.nic.in/exemplar/labmanuals.html> A record of the same may be kept by the student. An year end test on the activity may be conducted at the School Level. The weightage are as under:

- The activities and one of the projects performed by the student through out the year and record keeping : **5 marks**
- Assessment of the activity performed during the year end test: **3 marks**
- Viva-voce : **2 marks**

ACTIVITIES

1. To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n .
2. To Verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq} , where $n(A) = p$ and $n(B) = q$.
3. To represent set theoretic operations using Venn diagrams.
4. To verify distributive law for three given non-empty sets A,B and C, that is, $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
5. To identify a relation and a function.
6. To distinguish between a Relation and a Function.
7. To verify the relation between the degree measure and the radian measure of an angle.
8. To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.
9. To prepare a model to illustrate the values of sine functions and cosine functions for different angles which are multiples of $\frac{\pi}{2}$ and π .
10. To plot the graphs of $\sin x$, $\sin 2x$, $2\sin x$ and $\sin \frac{x}{2}$, using same coordinate axes.
11. To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.

12. To obtain a quadratic function with the help of linear functions graphically.
13. To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0, a, b > 0, c < 0$, represents only one of the two half planes.
14. To find the number of ways in which three cards can be selected from given five cards.
15. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.
16. To obtain formula for the sum of squares of first n -natural numbers.
17. An alternative approach to obtain formula for the sum of squares of first n natural numbers.
18. To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
19. To establish the formula for the sum of the cubes of the first n natural numbers.
20. To verify that the equation of a line passing through the point of intersection of two lines $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ is of the form $(a_1x + b_1y + c_1) + \lambda (a_2x + b_2y + c_2) = 0$.
21. To construct different types of conic section.
22. To construct a parabola.
23. An alternative method of constructing a parabola.
24. To construct an ellipse using a rectangle.
25. To construct an ellipse with given major and minor axes.
26. To construct an ellipse when two fixed points are given.
27. To explain the concept of octants by three mutually perpendicular planes in space.
28. To find analytically $\lim_{x \rightarrow c} f(x) = \frac{x^2 - c^2}{x - c}$
29. Verification of the geometrical significance of derivative.
30. To obtain truth values of compound statement of the type $p \vee q$ by using switch connections in parallel.
31. To obtain truth values of compound statements of the types $p \wedge q$ by using switch connections in series.
32. To write the sample space, when a die is rolled once, twice-----.
33. To write the sample space, when a coin is tossed once, two times, three times, four times.

CLASS-XI
BUSINESS STUDIES – I
(COMMERCE and HUMANITIES GROUP)

Time: 3 Hrs

Theory: 80 Marks
Project work: 20 marks
Total: 100 Marks

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will cover whole of the syllabus.
2. 21 Questions will be set in the question paper.
3. All units of the syllabus should be given adequate representation in the question paper.
4. There will be 4 sections in the paper and all sections will be compulsory.

Section-A

5. Question No. 1 consists of 20 sub parts (1a to 1t) carrying 1 mark each. Answer of each Part should be given in 1-15 words. Objective type questions may include questions with one word to one sentence answer/fill in the blank/true or false/multiple choice type questions.

Section-B

6. Question No. 2 to 10 will carry 2 marks each. Answer of each question should be given in 5-10 lines.

Section-C

7. Do any 6 questions out of 8 questions. Question No. 11 to 18 will carry 4 marks each. Answer of each question should be given in 15-20 lines.

Section-D

8. Question No. 19 to 21 will carry 6 marks each with internal choice. Answer of each question should be given in 3-5 pages. Internal choice question should not be set from the same unit.

Detail of questions set from each unit

UNIT NO.	NAME OF THE UNIT	SECTION – A (1 mark question)	SECTION – B (2 mark question)	SECTION – C (4 mark question)	SECTION – D (6 mark question)
1	Evolution and Fundamentals of Business	2	1	1	1 Question from units 1,2,3, and 4 with internal choice not from same unit.
2	Forms of Business organizations	2	1	1	
3	Public, Private and Multinational Company	2	1	1	
4	Business Services	2	1		
5	Emerging Modes of Business	2	1	1	1 Question from units 5, 6 and 7 with internal choice not from same unit.
6	Social Responsibility of Business and Business Ethics	2	1	1	
7	Sources of Business Finance	2	1	1	

8	Small Business and Enterprises	2	1	1	1 Question from units 8, 9 and 10 with internal choice not from same unit.
9	Internal Trade	2	1	1	
10	International Trade	2			
	TOTAL	20	09	08 (DO ANY 6)	03 (with internal choice)

SYLLABUS (THEORY)

Part A: Foundation of Business Concept includes meaning and features

Unit 1: Evolution and Fundamentals of Business

- History of Trade and Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy.
- Business – meaning and characteristics
- Business, profession and employment - Concept and comparison
- Objectives of business-Economic, social and human
- Role of profit in business.
- Classification of business activities – Industry and Commerce
- Industry-types: primary, secondary, tertiary Meaning and subgroups
- Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning
- Business risk-Nature and causes

Unit 2: Forms of Business organizations

- Sole Proprietorship-Concept, merits and limitations.
- Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners
- Hindu Undivided Family Business: Concept
- Cooperative Societies-Concept, merits, and limitations.
- Company – Concept, merits and limitations; Types: Private, Public and One Person Company – Concept
- Formation of company – stages, important documents to be used in formation of a company
- Choice of form of business organization

Unit 3: Public, Private and Multinational Company

- Public sector and private sector enterprises – Concept

- Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company.
- Multinational Company – Feature. Joint ventures, Public private partnership – concept.

Unit 4: Business Services

- Business services – meaning and types.
- Banking: Types of banks and functions of commercial banks. Types of bank accounts – savings, current, recurring, fixed deposit and multiple option deposit account
- Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments
- Insurance – Principles. Types – life, health, fire and marine insurance – concept
- Postal Service – Mail, Registered Post, Parcel, Speed Post, Courier – meaning

Unit 5: Emerging Modes of Business

- E-business: concept, scope and benefits. Difference between Traditional commerce and E-commerce.
- Business Process Outsourcing (BPO): Concept, need and scope

Unit 6: Social Responsibility of Business and Business Ethics

- Concept of social responsibility
- Case of social responsibility and Human rights.
- Responsibility towards owners, investors, consumers, employees, government and community.
- Role of business in environment protection
- Business Ethics – Concept and Elements

Part B: Finance and Trade

Unit 7: Sources of Business Finance

- Concept of business finance
- Owners' funds- equity shares, preferences share, retained earnings, Global Depository receipt (GDR), American Depository Receipt (ADR) and International Depository Receipt (IDR) – concept
- Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD)

Unit 8: Small Business and Enterprises

- Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship
- Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act)
- Role of small business in India with special reference to rural areas
- Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas

Unit 9: Internal Trade

- Internal trade – meaning and types services rendered by a wholesaler and a retailer
- Types of retail-trade-Itinerant and small scale fixed shops retailers
- Large scale retailers-Departmental stores, chain stores – concept and features
- GST (Goods and Services Tax): Concept and key-features

Unit 10: International Trade

- International trade: concept and benefits
- Export trade – Meaning and procedure
- Import Trade – Meaning and procedure
- Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)
- World Trade Organization (WTO) meaning and objectives

Unit 11: Project Work

The marks will be allocated on the following heads.

1	Initiative, cooperativeness and participation	2 Marks
2	Creativity in presentation	2 Mark
3	Content, observation and research work	4 Marks
4	Analysis of situations	6 Marks
5	Viva	6 Marks
	Total	20 Marks

I. Project One: Field Visit

The objective of introducing this project among the students is to give a first hand experience to them regarding the different types of business units operating in their surroundings, to observe their features and activities and relate them to the theoretical knowledge given in their text books. The students should select a place of field visit from the following:

(Add more as per local area availability.)

1. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)
2. Visit to a Departmental store.
3. Visit to a Mall.

1. Visit to a whole sale market: vegetables/fruits/flowers/grains/garments etc. The students are required to observe the following:

- a) Sources of merchandise.
- b) Local market practices.
- c) Any linked up businesses like transporters, packagers, money lenders, agents, etc.
- d) Nature of the goods dealt in.
- e) Types of buyers and sellers.
- f) Mode of the goods dispersed, minimum quantity sold, types of packaging employed.
- g) Factors determining the price fluctuations.
- h) Seasonal factors (if any) affecting the business.
- i) Weekly/ monthly non working days.
- j) Strikes, if any causes thereof.
- k) Mode of payments.
- l) Wastage and disposal of dead stock.
- m) Nature of price fluctuations, reason thereof.
- n) Warehousing facilities available/availed.
- o) Any other aspect.

2. Visit to a Departmental store

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.

- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.
- g) Billing counter at store Cash, Credit Card/ Debit Card, swipe facility. Added attraction and facilities at the counter.
- h) Additional facilities offered to customers
- i) Any other relevant aspect.

3. Visit to a Mall.

The students are required to observe the following:

- a) Number of floors, shops occupied and unoccupied.
- b) Nature of shops, their ownership status
- c) Nature of goods dealt in: local brands, international brands,
- d) Service business shops- Spas, gym, saloons etc.
- e) Rented spaces, owned spaces,
- f) Different types of promotional schemes.
- g) Most visited shops.
- h) Special attractions of the Mall - Food court, Gaming zone or Cinema etc.
- i) Innovative facilities.
- j) Parking facilities. Teachers may add more to the list.

II. Project Two: Case Study on a Product

a) Take a product having seasonal growth and regular demand with which students can relate. For example,

- Apples from Himachal Pradesh, Kashmir.
- Oranges from Nagpur,
- Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
- Strawberries from Panchgani,
- Aloe vera from Rajasthan,
- Walnuts/almonds from Kashmir,
- Jackfruit from South,
- Guavas from Allahabad,
- Pineapples from North East India
- Tea from Assam
- Orchids from Sikkim and Meghalaya,
- Pottery of Manipur,
- Fishes from coastal areas.

Students may develop a Case Study on the following lines:

(i) Research for change in price of the product.

For example, apples in Himachal Pradesh during plucking and non plucking season.

(ii) Effect on prices in the absence of effective transport system.

(iii) Effect on prices in the absence of suitable warehouse facilities.

(iv) Duties performed by the warehouses.

(v) Demand and supply situation of the product during harvesting season, prices near the place of origin and away.

Students may be motivated to find out the importance of producing and selling these products and their processed items along with the roles of Transport, Warehousing, Advertising, Banking, Insurance, Packaging, Wholesale selling, Retailing, Co-operative farming, Co-operative marketing etc.

The teacher may develop the points for other projects on similar lines for students to work on. The teacher may assign this project as 'group' project and may give different products to different groups.

III. Project Three: Aids to Trade

Taking any one AID TO TRADE, for example Insurance and gathering information on following aspects

1. History of Insurance Lloyd's contribution.
2. Development of regulatory Mechanism.
3. Insurance Companies in India
4. Principles of Insurance.
5. Types of Insurance. Importance of insurance to the businessmen.
6. Benefits of crop, orchards, animal and poultry insurance to the farmers.
7. Terminologies used (premium, face value, market value, maturity value, surrender value) and their meanings.

8. Anecdotes and interesting cases of insurance. Reference of films depicting people committing fraudulent acts with insurance companies.

9. Careers in Insurance.

The students can any other aids to trade also like advertising, marketing, banking, warehousing etc.

IV. Project Four: Import /Export Procedure

Any one from the following

1. Import OR
2. Export procedure

The students should identify a product of their city/country which is imported /exported. They are required to find the details of the actual import/export procedure. They may take help from the Chambers of Commerce, Banker, existing Importers/Exporters, etc. They should find details of the procedure and link it with their Text knowledge. The specimens of documents collected should be pasted in the Project file with brief description of each. They may also visit railway godowns/dockyards/ transport agencies and may collect pictures of the same.

Presentation and submission of project report.

At the end of the stipulated term, each student will prepare and submit his/her project report.

Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format
2. The project will be handwritten.
3. The project will be presented in a neat folder.
4. The project report will be developed in the following sequence-
 - Cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the news papers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - Conclusions (summarised suggestions or findings, future scope of study).
 - Appendix (if needed).

**CLASS-XI
POLITICAL SCIENCE
SESSION 2020-21**

TIME: 3Hrs

**Theory: 80 Marks
Project : 20 Marks
Total: 100 Marks**

STRUCTURE OF QUESTION PAPER

All Questions are Compulsory.

The Question Paper will comprise of 4 sections A, B, C, and D of four questions with 37 sub parts to be attempted.

All units of the syllabus should be given adequate representation in the Question paper.

SECTION-A

Objective Type Questions: Question No. 1 will have twenty sub parts (I TO XX) and each sub Part will carry 1 mark. This Section Will include questions with one word answer/fill in the blank/true or false /multiple choice questions.

20×1=20

SECTION-B

Very Short Answer Type Questions: Question No. 2 comprises of 8 sub parts (II TO IX) carrying 2 marks each. Answer to each question should be in About 20-30 words. All questions are compulsory.

8×2=16

SECTION-C

Short Answer Type Questions: Question No. 3 comprises of 5 sub parts (X TO IVX) Out of which students have to attempt 5 question, 3 out of 5 have internal choice carrying 4 marks each. Answer to each question should be in about 50-60 words.

5×4=20

SECTION-D

Long Answer Type Questions: Question No. 4 comprises of 4 sub parts (I TO IV) carrying 6 marks each. Answer to each question should be in about 150-200 words. All questions are compulsory. There will be 100% internal choice in these question.

4×6=24

Note: Keeping in view the syllabus, the 30 chapters have been divided into 8 parts. While preparing the question paper it should be compulsory to follow given ahead table strictly for adequate representation to each unit in paper.

Question Paper Design

Subject: - Political Science

Code: -

Class: XI (Session 2020-21)

Time: - 3 Hours

Maximum Marks: - 80

Sr. No.	Typology of questions	Learning outcomes and Testing Skills	Multiple choice (01 marks)	Very short answer type (02 marks)	Short answer type (04 marks)	Long answer type (06 marks)	Total marks	% weightage
1	Remembering (Knowledge based simple recall questions, to know specific facts, terms, concepts, principals, define, recite, information)	Reasoning, analytical skills, critical skills	16	02	01		24	30%
2	Understanding (comprehension to be familiar with meaning understand conceptually, interpret, compare, contrast, explain or interpret information)		04	04	03	03	42	52.5%
3	Application (Use abstract information, in concrete situation, to apply knowledge to knew situations use given content situation example)		--	02	01	01	14	17.5%
4			20*1=20	08*2=16	05*4=20	04*6=24	80+20 (Project) =100	100%
5	Total (01 Project marks 10+ viva voce 10 marks =20 marks)		Estimate d time =40 Minutes	Estimate d time =30 Minutes	Estimate d time =40 Minutes	Estimate d time =60 Minutes	5mintuer eading of question paper + 5mintue s rechecki ng of answer sheet	Total Time =180 minutes

Table Showing unit wise distribution of question to be set in question paper

Unit	Number of questions to be set from each unit (01 marks each)	Number of questions to be set from each unit (02 marks each)	Number of questions to be set from each unit (04 marks each)	Number of questions to be set from each unit (06 marks each with 100% internal choice)
I	2 (Recall)	1 (Application)	Question number 10th from Unit I and Internal choice question from Unit II	Question number 15th from Unit I and Internal choice question from Unit II
II	2 (Recall)	1 (Recall)			(Understanding)	(Understanding)
III	1 (Recall) + 1 (Understanding)	1 (Understanding)	1 (Understanding)	Question number 16th from Unit III and Internal choice question from Unit IV
IV	2 (Understanding)	1 (Understanding)	1 (Recall)		(Application)
V	3 (Recall)	1 (Understanding)	Question number 13th from Unit V and Internal choice question from Unit VI	Question number 17th from Unit V and Internal choice question from Unit VI
VI	3 (Recall)	1 (Recall)			(Application)	(Understanding)
VII	3 (Recall)	1 (Understanding)	Question number 14th from Unit VII and Internal choice question from Unit VIII	Question number 18th from Unit VII and Internal choice question from Unit VIII
VIII	3 (Recall)	1 (Application)			(Understanding)	(Understanding)
	Total number of question 20 (01 marks each) 20*1=20 marks	Total number of question 08 (02 marks each) 08*2=16 marks	Total number of question 08 (04 marks each) 05*4=20 marks	Total number of question 04 (06 marks each) 04*6=24 marks

Syllabus

PART-A

FOUNDATIONS OF POLITICAL SCIENCE

PART-1

Unit-I Meaning, Scope and Significance of Political Science

- a) Meaning of Political Science
- b) Scope and significance of Political Science.
- c) Relationship of political science with History, Economics, Sociology
- d) Citizen and his Rights and Duties
- e) Citizen and citizenship

PART-2

Unit-II a) Meaning of rights and duties

b) Relation between rights and duties

Basic concepts

- a) Law-meaning and its kinds.
- b) Liberty-meaning, kinds and safeguards.
- c) Equality-meaning, kinds, liberty and equality.
- d) Justice

PART-3

Unit-III State, Forms of Governments

a) State and its attributes.

b) State and government differences

C) Forms of Governments:

- a. Democratic and Authoritarian (Dictatorial)
- b. Parliamentary and Presidential
- c. Unitary and Federal

PART-4

Unit-IV Organs of Government

a) Executive

a. Types of Executive, Functions.

b) Legislature, Types of Legislature-Unicameral & Bicameral, Functions.

c) Judiciary, Importance and Functions, Independence of the Judiciary

PART-B

INDIAN CONSTITUTION AND GOVERNMENT

PART-5

Unit-V a) Preamble

b). salient features of the Indian Constitution.

C) Fundamental Rights and Directive Principles of State Policy

a) Fundamental Rights-Nature and Kinds.

b) Fundamental Duties.

c) Directive Principles of State Policy-Importance and Sanctions

Behind them.

d) Distinction and relationship between Fundamental Rights and Directive principles.

PART-6

Unit-VI Indian Federal System

a) Nature of Indian Federation

b) Union-State relations: Legislative, Administrative and Financial.

Union Government

c)The Union Executive-President, Prime Minister and Council of Ministers.

PART-7

Unit-VII The Union Legislature, (Lok sabha, Rajya sabha)

Law making procedure (ordinary bill and money bill)

The State Government

a) State Executive- Governor, Chief Minister and Council of Ministers

b) State Legislature

PART-8

Unit-VIII District Administration

Indian Judicial System

a) The Supreme Court

b) State High Court

CLASS-XI
Sociology
(2020-21)

Time : 3 Hrs

Theory : 80Marks
Project work/IA :20 Marks
Total:100 Marks

STRUCTURE OF QUESTION PAPER

1. All questions are compulsory.
2. The question paper is divided into four sections **A, B, C** and **D**.
3. There are 38 questions in all. Some questions have internal choice.
Marks are indicated against each question.

Section A

Objective Type Questions: This section comprises question No. 1-20. These are objective type questions carry 1 mark each. This type may include questions with one word to one sentence answers/Fill in the blanks/True or false/Multiple choice type questions. $20 \times 1 = 20$

Section B

Very Short Answer Type Questions: This section comprises question No.21-29 .These are very short answer type questions carrying 2 marks each. Answer to each question should not exceed 30 words. $9 \times 2 = 18$

Section C

Short Answer Type Questions: This section includes question No. 30-35. They are short answer type questions carrying 4 marks each. Answer to each question should not exceed 80 words. $6 \times 4 = 24$

Section D

Long answer Questions: This section question No. 36-38. This type of question (with internal choice) long answer type questions carrying 6 marks each. Answer to each question should not exceed 150-200 words each. Question no 38 is to be answered with the help of the passage given. $3 \times 6 = 18$

QUESTION WISE BREAK UP

Type of Question	Marks Per Question	Total no. of Questions	Total Marks
Objective Type (Learning checks)	1	20	20
Very Short answer(VSA)	2	9	18
Short Answer (SA)	4	6	24
Long Answer (LA)	6	3	18
Total			80

WEIGHTAGE TO CONTENT

Section A	20 Marks
Section B	20 Marks
Section C	20 Marks
Section D	20 Marks
Project Work	20 Marks
Total	100 Marks

WEIGHTAGE OF DIFFICULTY LEVEL

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (AV)	50%
(iii)Difficult (D)	20%

COURSE STRUCTURE:

Sr. No.	Unit	Name of the Unit	Periods	Marks
1	Unit I	Tribal Society		20
2	Unit II	Basic Concepts in Sociology		20
3	Unit III	Culture , Socialisation and Social Institutions		20
4	Unit IV	Social Structure, Social Stratification, Social Change and Founding Fathers of Sociology		20

COURSE CONTENT

Sr. No.	Units
1	Unit I- origin and Emergence 1. Emergence of Sociology: Historical Background Meaning, Nature and Scope of Sociology. 2. Relationship of Sociology with other Social Sciences: Political Science, History, Economics, Psychology and Anthropology.
2	Unit II- Basic Concepts in Sociology 3. Society, Community and Association: Society – Meaning and Features, Relationship between individual and society; Community – Meaning and features; Association – Meaning and Features, Difference between Society, Community and Association. 4. Social Groups: Meaning and Features, Types – Primary and Secondary group, In-group and Out-group.
3	Unit III- Culture , Socialisation and Social Institutions 5. Culture: Meaning and features, Material and Non-Material culture. 6. Socialisation: Meaning, Socialisation as a process of learning, Agencies of Socialisation: Formal and Informal Agencies. 7. Marriage, Family and Kinship. 8. Polity, Religion, Economy and Education.
4	Unit IV- Social Structure, Social Stratification, Social Change and Founding Fathers of Sociology 9. Social Structure: Meaning, features and Elements – Status and Role. 10. Social Stratification: Concept, Forms, Caste and Class, Features and Differences. 11. Social Change: Meaning, Features and Factors – Demographic, Educational and Technological. 12. Western Sociological Thinkers: Auguste Comte – Positivism, Law of Three Stages, Karl Marx – Class and Class conflict, Emile Durkheim – Social Facts, Division of Labour, Max Weber – Social Action, Types of Authority, Sociology of Religion.

PROJECT WORK/ INTERNAL ASSESSMENT

20 Marks

MODE OF PRESENTATION/SUBMISSION OF THE PROJECT:

At the end of the stipulated term, each learner will present the research work in the Project File Internal examiner. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

Practical Examination

Allocation of Marks (20)

The marks will be allocated under the following heads:

A	Project (as prescribed in book)	10 Marks
	Research Design	
	i. Overall format	1 Marks
	ii. Research question/Hypothesis	1 Marks
	iii. Choice of the technique	2 Marks
	iv. Detailed procedure for implementation of technique	2 Marks 2 Marks
	v. Limitations of the above technique	2 Marks
	vi. Viva	
B	Social work related Activities/practical work	8 Marks
C	Book bank	2 Marks
Total		20 Marks

CLASS-XI
PUBLIC ADMINISTRATION

Time: 3 Hrs

Theory: 80 Marks
Project work/INA/B. bank: 20 Marks
Total: 100 Marks

STRUCTURE OF QUESTION PAPER

1. All questions are compulsory.
2. The question paper is divided into four sections. **A, B, C and D**
3. There are 34 questions in all. Some questions have internal choice. Marks are indicated against each question.

Section A

Objective Type Questions: This section comprises 16 questions (from 1 to 16). These are objective type questions carry 1 mark each. This type may include questions with one word to one sentence answers/fill in the blanks/true or false/multiple choice type questions.

$16 \times 1 = 16$

Section B

Very Short Answer Questions: This section will have 8 questions (from 17 to 24). Each question will carry 2 marks. All questions are compulsory. Answer of each question should be in 20-30 words.

$8 \times 2 = 16$

Section C

Short Answer Questions: This section will have 6 questions (from 25 to 30). Each question will carry 4 marks and all the questions shall have internal choice too. Each question should be answered in 50-60 words. At least one question along with internal choice must be selected from each group of the syllabus.

$6 \times 4 = 24$

Section D

Long Answer Questions: This section will have 4 questions (from 31 to 34), each one with internal choice. Each question will carry 6 marks. Answer to each question should be in 150-200 words.

$4 \times 6 = 24$

Note:- Weightage to each unit must be given in each type of questions as appropriate.

Question wise breakup:

Type of Question	Marks Per Question	Number of Questions	Total Marks	Percentage
Objective Type/ Multiple choice questions	1	16	16	20
Very Short Answer (VSA)	2	8	16	20

Short Answer (SA)	4	6	24	30
Long Answer (LA)	6	4	24	30
Total		34	80	100

Weightage to Difficulty Level:

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (Av)	50%
(iii) Difficult (D)	20%

Design of Question Paper

Typology of questions	MCQ/ Objective type (1 Mark)	Very Short Answer (VSA) (2 Marks)	Short Answer (SA) (4 Marks)	Long Answer (LA) (6 Marks)	Total Marks	Percentage
Remembering- (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles or theories; Identify, defined or recite, information)	16	2	1	-	24	30
Understanding- (Comprehension-to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	-	5	3	3	40	50
Application- (Use abstract information in concrete situation, to apply knowledge to new situation; Use given content to interpret a situation, provide an example, or solve a problem)	-	1	2	1	16	20
Project/INA/B. bank – 20 Marks	1×16=16	2×8=16	4×6=24	6×4=24	80	100

SYLLABUS
ELEMENTS OF PUBLIC ADMINISTRATION
GROUP-A

Unit-I

- a) Meaning, Nature, Scope & Significance of Public Administration.
- b) Public Administration and other Social Sciences.
- c) Public Administration and Private Administration.

Unit-II

- a) Chief Executive: Kinds, Functions.
- b) Staff and Line Agencies.
- c) Bureau and Board Type.

GROUP-B

Unit III

- a) Department, Public Corporation and Public Company
- b) Public Administration and Legislature.
- c) Public Administration and Judiciary.

Unit-IV

- a) Public Relations.
- b) Public Administration and Citizen

INDIAN ADMINISTRATION

GROUP-C

Unit-V

- a) Salient Features of the Indian Administrative System.
- b) Fundamental Rights and Directive Principles of State Policy.

Unit-VI

- a) Relations between the Union and the States.
- b) The State Executive- President, Vice-President, Prime Minister and the Council of Ministers.

GROUP-D

Unit VII

- a) Organisation and working of the Ministry of Home Affairs.
- b) The State Executive and Council of Ministers.

Unit VIII

- a) Organisation and Functions of the Department of Education at the State Level.
- b) District Administration with special reference to the Role of Deputy Commissioner.

CLASS - XI**ਧਰਮ**

ਸਮਾਂ: 3 ਘੰਟੇ

ਲਿਖਤੀ ਪੇਪਰ: 80 ਅੰਕ
 ਅਤਰਿਕ ਮੁਲਾਂਕਣ: 20 ਅੰਕ
 ਕੁੱਲ: 100 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਵਿੱਚ ਕੁੱਲ 30 ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ।
 2. ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਲਾਜ਼ਮੀ ਹੋਣਗੇ।
 3. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਚਾਰ ਭਾਗਾਂ ਵਿੱਚ ਵੰਡਿਆ ਹੋਵੇਗਾ। ਹਰ ਭਾਗ ਸਾਰੇ ਪਾਠ-ਕ੍ਰਮ ਤੇ ਅਧਾਰਿਤ ਹੋਵੇਗਾ।
- ਭਾਗ-I** ਵਿੱਚ ਦਸ (10) ਵਸਤੂਨਿਸ਼ਠ ਪ੍ਰਸ਼ਨ (1 ਤੋਂ 10) ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ ਇੱਕ ਅੰਕ ਦਾ ਹੋਵੇਗਾ।
 ਵਸਤੂਨਿਸ਼ਠ ਪ੍ਰਸ਼ਨ ਇੱਕ ਸ਼ਬਦ ਤੋਂ ਇਕ ਵਾਕ ਤੱਕ ਦੇ ਉੱਤਰ ਵਾਲੇ ਜਾਂ ਹਾਂ/ਨਾਂ ਜਾਂ ਖਾਲੀ ਥਾਂ ਭਰੋ ਜਾਂ ਠੀਕ/ਗਲਤ ਜਾਂ ਬਹੁ-ਭਾਂਤੀ ਉੱਤਰਾਂ ਵਾਲੇ, ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੇ ਹੋ ਸਕਦੇ ਹਨ। $10 \times 1 = 10$
- ਭਾਗ-II** ਵਿੱਚ ਅੱਠ (8) ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ (ਟਾਈਪ I) ਪ੍ਰਸ਼ਨ (11 ਤੋਂ 18) ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ 2 ਅੰਕ ਦਾ ਹੋਵੇਗਾ ਜਿਸ ਦਾ ਉੱਤਰ 30-35 ਸ਼ਬਦਾਂ ਵਿੱਚ ਹੋਵੇ। $8 \times 2 = 16$
- ਭਾਗ-III** ਵਿੱਚ ਦਸ (9) ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ (ਟਾਈਪ II) ਪ੍ਰਸ਼ਨ (19 ਤੋਂ 27) ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ 4 ਅੰਕ ਦਾ ਹੋਵੇਗਾ, ਜਿਸ ਦਾ ਉੱਤਰ 70 ਤੋਂ 80 ਸ਼ਬਦਾਂ ਵਿੱਚ ਹੋਵੇ। 9 ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ, ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਅੰਦਰੂਨੀ ਛੋਟ ਵਾਲੇ ਹੋਣਗੇ। $9 \times 4 = 36$
- ਭਾਗ-IV** ਵਿੱਚ ਤਿੰਨ (3) ਅੰਦਰੂਨੀ ਛੋਟ ਵਾਲੇ ਨਿਬੰਧਾਤਮਕ ਪ੍ਰਸ਼ਨ (28 ਤੋਂ 30) ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ 6 ਅੰਕ ਦਾ ਹੋਵੇਗਾ, ਜਿਸ ਦਾ ਉੱਤਰ, ਉੱਤਰ ਪੱਤਰੀ ਦੇ 2 ਤੋਂ 2 1/2 ਪੰਨਿਆਂ ਦਾ ਹੋਵੇ। $3 \times 6 = 18$

ਪਾਠ-ਕ੍ਰਮ ਦੇ ਭਾਗਾਂ ਅਨੁਸਾਰ ਪ੍ਰਸ਼ਨਾਂ ਅਤੇ ਅੰਕਾਂ ਦੀ ਵੰਡ

ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਕਿਸਮ	ਅੰਕ ਪ੍ਰਤੀ ਪ੍ਰਸ਼ਨ	ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਗਿਣਤੀ	ਪਾਠ-ਕ੍ਰਮ ਦੇ ਭਾਗਾਂ ਅਨੁਸਾਰ ਪ੍ਰਸ਼ਨਾਂ ਦੀ ਵੰਡ		ਕੁੱਲ ਅੰਕ
			ਭਾਗ 'ੳ'	ਭਾਗ 'ਅ'	
ਵਸਤੂ ਨਿਸ਼ਠ	1 ਅੰਕ	10	5	5	10
ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ (ਟਾਈਪ I)	2 ਅੰਕ	08	3	5	16
ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ (ਟਾਈਪ II)	4 ਅੰਕ	9	4	5	36
ਵੱਡੇ ਉੱਤਰਾਂ ਵਾਲੇ	6 ਅੰਕ	03	2	1	18
ਕੁੱਲ		30	14	16	80

ਪਾਠ-ਕ੍ਰਮ**ਭਾਗ (ੳ)****ਪਵਿੱਤਰ ਵਿਅਕਤੀਆਂ ਦੀਆਂ ਜੀਵਨੀਆਂ**

- ਇਕਾਈ 1. ਭਗਵਾਨ ਕ੍ਰਿਸ਼ਨ, ਭਗਵਾਨ ਮਹਾਂਵੀਰ, ਭਗਵਾਨ ਮਹਾਤਮਾ ਬੁੱਧ ਅਤੇ ਸ਼੍ਰੀ ਸ਼ੰਕਰਾਚਾਰੀਆ।
- ਇਕਾਈ 2. ਯਸ਼ੂ ਮਸੀਹ ਅਤੇ ਹਜ਼ਰਤ ਮੁਹੰਮਦ ਸਾਹਿਬ।
- ਇਕਾਈ 3. ਭਗਤ ਕਬੀਰ, ਸ਼੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ, ਸ਼੍ਰੀ ਚੈਤੰਨਆਂ, ਸ਼੍ਰੀ ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਅਤੇ ਸ਼੍ਰੀ ਰਾਮ ਕ੍ਰਿਸ਼ਨ।

ਭਾਗ (ਅ)**ਪਵਿੱਤਰ ਗ੍ਰੰਥਾਂ ਦਾ ਅਧਿਐਨ**

ਇਕਾਈ 1 ਹਿੰਦੂ ਧਰਮ, ਜੈਨ ਧਰਮ ਅਤੇ ਬੁੱਧ ਧਰਮ:

ਮਹਾਂਭਾਰਤ ਦੇ ਚੋਣਵੇਂ ਅੰਸ਼, ਮੰਨੂ ਸਿਮਰਤੀ, ਵਿਸ਼ਨੂੰ ਸਿਮਰਤੀ, ਭਾਗਵਦਗੀਤਾ, ਉਪਨਿਸ਼ਦ, ਮਹਾਂਨਿਰਵਾਣ, ਤੰਤਰ, ਇਹਨਾਂ ਗ੍ਰੰਥਾਂ ਦੇ ਚੋਣਵੇਂ ਅੰਸ਼ਾਂ ਵਿੱਚ ਪ੍ਰਯੋਗ ਹੋਏ ਸੰਕਲਪ।

ਅਚਾਰੰਗ-ਸੂਤਰ, ਕਪਲ ਸੂਤਰ, ਉੱਤਰ ਧਿਆਨ ਸੂਤਰ, ਸੰਨਯਾਤ ਨਿਕਾਇਆ, ਧਮਪਦ, ਮਧਿਆਮਿਕਾ, ਮਹਾਂ ਵਨਗਾ, ਮਹਾਂ ਮੰਗਲ ਸੂਤਰ, ਬੁਧਚਰਿਆ ਅਵਤਾਰ, ਅਰਹਤ ਦਾ ਸੰਕਲਪ, ਅਸ਼ਟਾਂਗ ਮਾਰਗ, ਬੋਧੀ ਸਤਵ, ਸੰਘ, ਪੰਚ ਸਕੰਧ, ਨਿਰਵਾਣ।

ਇਕਾਈ 2 ਜੁਡਾਇਜ਼ਮ, ਇਸਾਈ ਮਤ ਅਤੇ ਇਸਲਾਮ:

ਪੁਰਾਣੀ ਬਾਈਬਲ ਦੇ ਚੋਣਵੇਂ ਅੰਸ਼, ਦਸ ਆਦੇਸ਼, ਨਵੀਂ ਬਾਈਬਲ ਦੇ ਚੋਣਵੇਂ ਅੰਸ਼, ਅੱਲ੍ਹਾ ਦਾ ਸੰਕਲਪ।

ਇਕਾਈ 3 ਸਿੱਖ ਧਰਮ:

ਸ਼੍ਰੀ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ, ਸ਼੍ਰੀ ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ, ਸ਼੍ਰੀ ਗੁਰੂ ਰਾਮਦਾਸ ਜੀ, ਸ਼੍ਰੀ ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ, ਸ਼੍ਰੀ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ, ਬਾਬਾ ਸ਼ੇਖ ਫਰੀਦ ਜੀ, ਭਗਤ ਕਬੀਰ ਜੀ, ਭਗਤ ਰਵਿਦਾਸ ਜੀ, ਭਗਤ ਪੰਨਾ ਜੀ, ਸ਼੍ਰੀ ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ ਦੇ ਸ਼ਬਦ, ਚੋਣਵੀਆਂ ਰਚਨਾਵਾਂ ਵਿੱਚ ਪ੍ਰਯੁਕਤ ਸੰਕਲਪ।

CLASS - XI
MUSIC – VOCAL

Time: 3Hrs
Time: 20 mints (per student)

Theory: 45 Marks
Practical: 50 Marks
IA: 05 Marks
Total: 100 Marks

SYLLABUS (THEORY)

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will comprise of 25 questions in total.
2. The question paper will consist of three parts with each part representing both sections.

Part-I will consist of 11 objective type questions (Q. no. 1 to 11) carrying one mark each. Answer of these questions are in one word or in one sentence.

11×1=11 Marks

Part-II will consist of 10 short answer type questions (Q. no. 12 to 21) carrying three (3) marks each. Attempt any eight questions out of ten questions. Answer of each question should be given in 10-15 lines.

8×3=24 Marks

Part-III will consist of 4 long answer type questions (Q. no. 22 to 25) every questions carrying 5 marks each. Attempt any two questions out of four questions. Answer of each question should be given with in 150-200 lines.

2×5=10 Marks

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of Questions	Marks of per Question	No. of Questions	Section-wise Distribution of Questions	
			Section-A	Section-B
Objective Type	1 mark	11	7	4
Short Answer Type	3marks	10	6	4
Essay Type	5marks	04	2	2
Total Questions		25	15	10

SYLLABUS (THEORY)

Part-A

- 1.) Definitions:-Sangeet, Dumni, alankar, aroh, avroh, pakar, sargamgeet, jatti, alaap, taal.
- 2.) Vadi swar, samvadi swar, Anuvadi swar, Vivadi swar, Varjit swar.
- 3.) Life sketches:-
 - (a) Proof: Sohan Singh
 - (b) D: Dalip Chander Bedi
- 4.) Knowledge of Patiala Kharana and Delhi Kharana.
- 5.) Classified the Indian music instruments. Tutt Vad, sushir vad, Avnad Vad, Ghan Vad.
- 6.) My favourite Subjet- Music.

- 7.) Naad, definition and types.
- 8.) Khajjal, invention of khayal and their types.
- 9.) Knowledge of Music Instrument: Tanpura:- History and their body parts.

PART-B

- (i) To write the name, description of khayals in rag:-Kalayan, Allahiya Bilaval; Varinda vani sarang,
- (ii) Notation of Talas, Teentaal, Jhap taal and chhartaal along with Ikgun, and dugun Layakaries.

PAPER – B

PRACTICAL (MUSIC VOCAL)

STRUCTURE OF QUESTION PAPER

There should not be more than 9 (nine) students in a batch of a practical examination. The question paper will set by the examiner on the spot, while setting the question paper in practical, the examiner must consider the syllabus in theory and will follow the following instructions.

1. Demonstration/performance of any one Raag out of the prescribed syllabus. The choice of the Raag will be done by the student. It will be for 6 minutes and shall carry 10 marks.
2. Demonstration/performance of any one Raag out of the prescribed syllabus. The choice of the Raag will be of the examiner. It will be for 4 minutes and will carry 10 marks.
3. Demonstration of 'Taal' in Ekgun and Dugun layakaries by hand. It will be for 4 minutes and will carry 10 marks.
4. Recognition of one Taal and one Raag out of the prescribed syllabus. It will be for 2 minutes and will carry 10 marks.
5. Demonstration regarding Alankaar/Shabad/Bhajan It will also be for 4 minutes and will carry 10 marks.

SYLLABUS (PRACTICAL)

- (1) Five- Five alankars in Kalayan and Bilaval Thaats.
- (2) Chotta Khyal, alap, tans in Kalayan, Allhayia, Billaval Varinda Vani Sarang raags.
- (3) Vadda Khyal in any Rags of your syllabus with alap and tans.
- (4) Tuning of string tanpura.
- (5) In any raag of your syllabus; Bhajan, shabad, Patriotic song.
- (g) Capability to demonstrate the following taals with bols and matras by hand in ikgun and dugun layakaries.
 - i) Tadra taal
 - ii) Teen Taal
 - (iii) Jhap taal

(iv) Chhar taal

**Note:- The book Published and Prescribed by the Punjab School
Education Board:-**

Sangeet Gayan-11

CLASS - XI
GURMAT SANGEET

Time: 3Hrs
Time: 20 mints (per student)

Theory: 45 Marks
Practical: 50 Marks
IA: 05 Marks
Total: 100 Marks

SYLLABUS (THEORY)

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will comprise of 25 questions in total.
2. The question paper will consist of three parts with each part representing both sections.

Part-I will consist of 11 objective type questions (Q. no. 1 to 11) carrying one mark each. Answer of these questions are in one word or in one sentence.

11×1=11 Marks

Part-II will consist of 10 short answer type questions (Q. no. 12 to 21) carrying three (3) marks each. Attempt any eight questions out of ten questions. Answer of each question should be given in 10-15 lines.

8×3=24 Marks

Part-III will consist of 4 long answer type questions (Q. no. 22 to 25) every questions carrying 5 marks each. Attempt any two questions out of four questions. Answer of each question should be given with in 150-200 lines.

2×5=10 Marks

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of Questions	Marks of per Question	No. of Questions	Section-wise Distribution of Questions	
			Section-A	Section-B
Objective Type	1 mark	11	7	4
Short Answer Type	3marks	10	6	4
Essay Type	5marks	04	2	2
Total Questions		25	15	10

SYLLABUS (THEORY)
PART-A

1. Short Introduction of Gurmat Sangeet.
2. Introduction of instruments (Rabab and Tabla) used in Gurmat Sangeet.
3. Definitions of the following :-
Sangeet, Naad, Shruti, Swar, Saptak, Thaata, Raag, Aroh, Avroh, Alankaar, Laya (Madhya, Drut, Vilambit), Taal, Avartan, Sam or Gur, Taali, Khalli, Matra, Sathai, Antra, Taan, Vaadi, Samvadi, Anuvadi, Vivadi.
4. Life sketch and contribution towards Gurmat Sangeet of the following:
(i) Bhai Mardana

- (ii) Gian Singh Abtabad
- (iii) Bhai Samund Singh

PART-B

1. Description of prescribed Raags: Bilawal, Kalyan, Asa.
2. Notations of prescribed Taals (Teen Taal, Dadra and Kehrava) Dugun and Chougun Laykaries.
3. Recognition of prescribed Raags from given Swarsangities.
4. Recognition of signs of Swar lipi of Bhatkhande.

PAPER-B

PRACTICAL (GURMAT SANGEET) STRUCTURE OF QUESTION PAPER

There should not be more than 9 (nine) students in a batch of practical examination. The question paper will set by the examiner on the spot. While setting the question paper in practical, the examiner must consider the syllabus in theory and will follow the following instructions.

1. Demonstration/performance of Shabad Gayan in any one Raag out of the prescribed syllabus. The choice of the Raag will be done by the student. It will be for 6 minutes and shall carry 10 marks.
2. Demonstration/performance of Shabad Gagyan in any one Raag out of the syllabus. The choice of the Raag will be done by the examiner. It will be for 4 minutes and will carry 10 marks.
3. Demonstration of 'Taals' in Ekgun and Dugun layakaries by hand. It will be for 4 minutes and will carry 10 marks.
4. Recognition of one Taal and one Raag out of the prescribed syllabus. It will be for 2 minutes and will carry 10 marks.
5. Demonstration regarding Alankaar/Shandha/non detailed Raags. It will also be for 4 minutes and will carry 10 marks.

SYLLABUS (PRACTICAL)

1. Singing of Gurbani Shabad according to traditional style in prescribed Raags: Bilawal, Kalyan , Asa.
2. Five Alankars (Sargam and Aakar) in each Raag: Bilawal and Kalyan.
3. Knowledge of prescribed Taals:-
Teen Taal, Dadra and Keharva.
4. Singing of Shandha and Pauri.
5. Knowledge of non detailed raags
(i) Bharav (ii) Bhoopali in terms of Aroh, Avrohi and definition.

CLASS - XI
MUSIC – INSTRUMENTAL

Time: 3Hrs
Time: 20 mints (per student)

Theory: 45 Marks
Practical: 50 Marks
IA: 05 Marks
Total: 100 Marks

SYLLABUS (THEORY)

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will comprise of 25 questions in total.
2. The question paper will consist of three parts with each part representing both sections.

Part-I will consist of 11 objective type questions (Q. no. 1 to 11) carrying one mark each. Answer of these questions are in one word or in one sentence.

11×1=11 Marks

Part-II will consist of 10 short answer type questions (Q. no. 12 to 21) carrying three (3) marks each. Attempt any eight questions out of ten questions. Answer of each question should be given in 10-15 lines.

8×3=24 Marks

Part-III will consist of 4 long answer type questions (Q. no. 22 to 25) every questions carrying 5 marks each. Attempt any two questions out of four questions. Answer of each question should be given with in 150-200 lines.

2×5=10 Marks

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of Questions	Marks of per Question	No. of Questions	Section-wise Distribution of Questions	
			Section-A	Section-B
Objective Type	1 mark	11	7	4
Short Answer Type	3marks	10	6	4
Essay Type	5marks	04	2	2
Total Questions		25	15	10

SYLLABUS (THEORY)
PART-A

1. Definitions:-
Sangeet, Duni, Alankar, Taal, Jhala, Aroh, Avroh, Pakar, Alaap, Toras.
2. Different bools of mizrav:- Akarsh parhar, Apakarsh parhar,
3. Vadi Swar, Samvadi swar, Anuvadiswar, Vivadi Swar, Varjit swar.
4. Life sketches:-
 - (i) Pt: Vishnu Naryan Bhatkhande.
 - (ii) Sri Narinder Narula.
5. Classified the India music Instruments:- Tutt vad, sushir vad, Avnad vad, Ghan vad.

6. My favourite subject Music.
7. Knowledge of music instruments:- Sitar, History and their body parts.
8. Naad, definition and types.
9. Gut:-Maseet Khani gut, Rajakhani gut.

PAPER – B
PRACTICAL (MUSIC INSTRUMENTAL)
STRUCTURE OF QUESTION PAPER

There should not be more than 9 (nine) students in a batch of a practical examination. The question paper will set by the examiner on the spot, while setting the question paper in practical, the examiner must consider the syllabus in theory and will follow the following instructions.

1. Demonstration/performance of any one Raag out of the prescribed syllabus. The choice of the Raag will be done by the student. It will be for 6 minutes and shall carry 10 marks.
2. Demonstration/performance of one Raag out of the prescribed syllabus. The choice of the Raag will be of the examiner. It will be for 4 minutes and will carry 10 marks.
3. Demonstration of Taals in Ekgun and Dugun layakaries by hand. It will be for 4 minutes and will carry 10 marks.
4. Recognition of one Taal and one Raag out of the prescribed syllabus. It will be for 2 minutes and will carry 10 marks.
5. Demonstration regarding Alankaar/dun/ nationalanthem It will also be for 4 minutes and will carry 10 marks.

SYLLABUS (PRACTICAL)

- (a) Alankars in kalayan and Bilaval Thaats.
- (b) Maseed Khani gut and Raja Khani gut with description, alap toras in following raags.
 (1) Kalayan raag (2) Allhayia Billaval,
 (3) Varinda Vani Sarang.
- (c) Capability to demastrate the following taals with bols and matras by hand. In ikgun and dugun layakaries.
 (1) Tadra Taal (2) Teen Taal (3) Jhap Taal (4) Chhar Taal
- (d) Dun in Kalayan rag and Varinda Vani rarang raag.
- (e) National Anthem (gaan), rules notation.

Note:- The book Published and Prescribed by the Punjab School Education Board:-

Sangeet Vadan-11 (Instrumental)

CLASS - XI
MUSIC – TABLA

Time: 3Hrs
Time: 20 mints (per student)

Theory: 45 Marks
Practical: 50 Marks
IA: 05 Marks
Total: 100 Marks

SYLLABUS (THEORY)

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will comprise of 25 questions in total.
2. The question paper will consist of three parts with each part representing both sections.

Part-I will consist of 11 objective type questions (Q. no. 1 to 11) carrying one mark each. Answer of these questions are in one word or in one sentence.

11×1=11 Marks

Part-II will consist of 10 short answer type questions (Q. no. 12 to 21) carrying three (3) marks each. Attempt any eight questions out of ten questions. Answer of each question should be given in 10-15 lines.

8×3=24 Marks

Part-III will consist of 4 long answer type questions (Q. no. 22 to 25) every questions carrying 5 marks each. Attempt any two questions out of four questions. Answer of each question should be given with in 150-200 lines.

2×5=10 Marks

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of Questions	Marks of per Question	No. of Questions	Section-wise Distribution of Questions	
			Section-A	Section-B
Objective Type	1 mark	11	7	4
Short Answer Type	3marks	10	6	4
Essay Type	5marks	04	2	2
Total Questions		25	15	10

SYLLABUS (THEORY)

PART-A

- (i) Definition of the following:-
Sangeet, Naad, Matra, Vibhag, Taal, Laya, Theka, Avartan, Sam, Taali, Khaali, Kayada, Laggi, Mukhra, Mohra.
- (ii)
 - (a) Short History of Tabla.
 - (b) Merits and demerits of Tabla Player.
 - (c) Description of Tabla.
 - (d) Ten Varnas of Tabla.
 - (e) Principles of Tabla accompaniment with vocalist and instrumentalist.

- (iii) Biographical sketches.
 - (a) Ustad Ahmad Jaan Thirkva.
 - (b) Pt. Anokhe Lal
 - (c) Pt. Krishan Maharaj
 - (d) Ustad Alla Rakha.

PART-B

- (i) Description and comparison of Teen Taal, Tilwara, Jhap Taal, Sul Taal.
- (ii) Recognition of prescribed Taals from the given Bols.
- (iii) Two laggies in Kehrva and Dadra.
- (iv) Notation of prescribed Taals along with Dugun and Chougun Laykaries.
- (v) Notation of the following terms in Teentaal, Jhap Taal, Rupak Taal: One Kayada, two Paltas, one Rela, one Tukra and one Tihai.

PAPER-B

PRACTICAL MUSIC (TABLA) STRUCTURE OF QUESTION PAPER

There should not be more than 9 (nine) students in a batch of practical examination. The question paper will set by the examiner on the spot. While setting the question paper in practical, the examiner must consider the syllabus in theory and will follow the following instructions.

1. Demonstration/performance of Solo Vadan of any one Taal out of the prescribed syllabus. The choice of the Taal will be done by the student. It will be for 6 minutes and shall carry 10 marks.
2. Demonstration/performance of Solo Vadan of any one Taal out of the prescribed syllabus. The choice of the Taal will be done by the examiner. It will be for 4 minutes and will carry 10 marks.
3. Demonstration of 'Taals' in Ekgun and Dugun layakaries by hand. It will be for 4 minutes and will carry 10 marks.
4. Ability to play one laggi in any Taal out of the syllabus. It will be for 2 minutes and will carry 10 marks.
5. Ability to play Tabla with Lehra. It will be for 4 Minutes and will carry 10 Marks.

PRACTICAL

- (i) Systematic solo performance of the following Taals with Peshkar, Kayada, Palta, Tihai, Tukra, Rela and Pakar: Teen Taal, Jhap Taal, Rupak Taal.
- (ii) Two laggies in Dadra and Kehrva Taal.

- (iii) To play simple Theka of the Ek Taal, Tilwara, Sul Taal.
- (iv) Ability to play Tabla with Lehra.
- (v) Ability to produce different bols of Taal by the examiner.
- (vi) Padhant of Ikgun, Dugun and Chougun Laykaries of prescribed Taals and on Tabla.

CLASS - XI

DANCE

Time: 3Hrs

Time: 20 mints (per student)

Theory: 45 Marks

Practical: 50 Marks

IA: 05 Marks

Total: 100 Marks

SYLLABUS (THEORY)

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will comprise of 25 questions in total.
2. The question paper will consist of three parts with each part representing both sections.

Part-I will consist of 11 objective type questions (Q. no. 1 to 11) carrying one mark each. Answer of these questions are in one word or in one sentence.

11×1=11 Marks

Part-II will consist of 10 short answer type questions (Q. no. 12 to 21) carrying three (3) marks each. Attempt any eight questions out of ten questions. Answer of each question should be given in 10-15 lines.

8×3=24 Marks

Part-III will consist of 4 long answer type questions (Q. no. 22 to 25) every questions carrying 5 marks each. Attempt any two questions out of four questions. Answer of each question should be given with in 150-200 lines.

2×5=10 Marks

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of Questions	Marks of per Question	No. of Questions	Section-wise Distribution of Questions	
			Section-A	Section-B
Objective Type	1 mark	11	7	4
Short Answer Type	3marks	10	6	4
Essay Type	5marks	04	2	2
Total Questions		25	15	10

SYLLABUS

PART-A

- I. Definition of dance, its importance in human life.
- II. Knowledge of basic technical terms used in Kathak dance such as Theka, Laya, Taal, Tatkar, That, Amad, Salami, Tihai.
- III. Critical study of Natya and Naritya.
- IV. Comparative study of the folk and classical dance.
- V. Knowledge of the following:

Asnyukta hast Mudras, their function in dance-Pataka, Tripataka, Ardhapataka, Mayur, Ardachandra, Ara Shuktund, Mushti, Shikhar, Kapittha Rallamukh, Suchi, Chander kala, Padma Kosh, Sarpshrish.

- VI. Short account of Raags and their importance in dance.
- VII. Short history of Kathak-dance.
- VIII. Survey and essential characteristics of Kathak dance.

PART-B

- I. Definition and description of prescribed Taals.
- II. Recognition of Taals through some Bols.
- III. Notation of all material prescribed in practical course.
- IV. Notation of prescribed Taals in single, Dugun and Chougun Laykaries.

PAPER-B

PRACTICAL (DANCE)

STRUCTURE OF QUESTION PAPER

There should not be more than 9 (nine) students in a batch of practical examination. The question paper will set by the examiner on the spot. While setting the question paper in practical, the examiner must consider the syllabus in theory and will follow the following instructions.

1. A systematic dance performance in any Taal from the prescribed syllabus as per choice of the student. It will be for 6 minutes and shall carry 10 marks.
2. A systematic dance performance in any Taal from the prescribed syllabus as per choice of the examiner. It will be for 4 minutes and shall carry 10 marks.
3. Demonstration/performance of any Taal in Ekgun and Dugun layakaries. It will be for 4 minutes and carry 10 marks.
 1. Student will be given some bols of the prescribed Taals He/She will have to recognise two out of these. It will be for 2 minutes and will carry 10 marks.
 2. Demonstration /performance of any two Gat nikas and palta of Tatkar. It will be for 4 minutes and carry 10 marks.

SYLLABUS (PRACTICAL)

- I. Systematic dance performance of the following Taals on the material given below:-
 - A) Teen Taal : (16 Matras)
 - One Thaata
 - One Amad
 - One Salami
 - Two Toras
 - One Kavita
 - One Tihai
 - One Paran
 - Two Paltas
 - B) Taal Rupak (7 Matras)
 - One Thaata
 - One Amad
 - One Salami
 - One Tihai
 - One Tukra
 - One Paltai
- II. Advance Tatkar in single, Dugun and Chougun Laykaries in the Teen Taal, Rupak Taal.
- III. Two Gat nikas in Teen Taal.
- IV. Description of Dadra and Kehrva Taals.
Recognition of prescribed Taals through some Bol.

**CLASS-XI
Philosophy
(2020-21)**

Time : 3 Hrs

**Theory:80 Marks
Project work/IA:20 Marks
Total:100 Marks**

STRUCTURE OF QUESTION PAPER

1. All questions are compulsory.
2. The question paper is divided into four sections **A, B, C** and **D**.
3. There are 38 questions in all. Some questions have internal choice.
Marks are indicated against each question.

Section A

Objective Type Questions: This section comprises question No. 1-20. These are objective type questions carry 1 mark each. This type may include questions with one word to one sentence answers/Fill in the blanks/True or false/Multiple choice type questions. 20×1=20

Section B

Very Short Answer Type Questions: This section comprises question No.21-29 .These are very short answer type questions carrying 2 marks each. Answer to each question should not exceed 30 words. 9×2=18

Section C

Short Answer Type Questions: This section includes question No. 30-35. They are short answer type questions carrying 4 marks each. Answer to each question should not exceed 80 words. 6×4=24

Section D

Long answer Questions: This section question No. 36-38. This type of question(with internal choice) long answer type questions carrying 6 marks each. Answer to each question should not exceed 100-150 words each. Question no 38 is to be answered with the help of the passage given. 3×6=18

QUESTION WISE BREAK UP

Type of Question	Marks Per Question	Total no. of Questions	Total Marks
Objective Type (Learning checks)	1	20	20
Very Short answer(VSA)	2	9	18

Short Answer (SA)	4	6	24
Long Answer (LA)	6	3	18
Total			80

WEIGHTAGE TO CONTENT

Section A	20 Marks
Section B	20 Marks
Section C	20 Marks
Section D	20 Marks
Project Work	20 Marks
Total	100 Marks

WEIGHTAGE OF DIFFICULTY LEVEL

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (AV)	50%
(iii) Difficult (D)	20%

SYLLABUS

UNIT I SYLLABUS

- Unit-I (a) Logic: Definition, Meaning and scope of Logic. The place of Logic as a Science. Relationship of Logic as compared to that of Psychology and Grammar. Uses of studying Logic.
- (b) Fundamental Laws of thought ,Terms: Their meaning, Connotation and Denotation.
Logical Definition: Its rules. Fallacies arising out of violation of rules. Limits of logical definition. Practical exercises in fallacies of logical definitions.
- Unit-II (a) Induction, its meaning and definition
Difference between Induction and Deduction.
- (b) Kinds of Induction: Proper and Improper Induction. Scientific Induction, Perfect Induction, Simple Enumeration and Analogy.
- Unit-III (a) Formal Grounds of Induction: Law of Causation, Law of uniformity of nature-various uniformities.
- (b) Material Grounds of Induction: Observation: Testimony
Experiment: Advantages of Experiment over Observation and advantages of Observation over Experiment. Regulative Principles of Observation and Experiment.

- Unit-IV (a) Elementary Philosophy: Meaning, Definition and uses of Philosophy.
 Branches of Philosophy: Metaphysics, Epistemology, Logic, Aesthetics and Psychology.
 (b) Relation of Philosophy to science and Religion.
 Dharma, Artha, Karma, Moksha, Varnashrama, Doctrine of Karma according to Indian Philosophy.

Internal Assessment

20 Marks

MODE OF PRESENTATION/SUBMISSION OF THE PROJECT:

At the end of the stipulated term, each learner will present the research work in the Project File Internal examiner. **The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work.** In case of any doubt, authenticity should be checked and verified.

Practical Examination

Allocation of Marks (20)

The marks will be allocated under the following heads:

A	Project (as per syllabus)	10 Marks
	Research Design	
	i. Overall format	1 Marks
	ii. Research question/Hypothesis	1 Marks
	iii. Choice of the technique	2 Marks
	iv. Detailed procedure for implementation of technique	2 Marks
	v. Limitations of the above technique	2 Marks
	vi. Viva	
B	Subject enrichment Activities/practical work	8 Marks
C	book bank	2 Marks
Total		20 Marks

CLASS-XI
Geography
(2020-21)

Time: 3 Hours

Theory: 70 Marks

STRUCTURE OF QUESTION PAPER

The question paper has 5 sections comprising of total 25 questions. All questions are compulsory.

SECTION- I

MCQ/Objective Type Questions: This section comprises questions with one word to one sentence answer/ fill in the blanks/ true or false etc. all multiple choice type questions. The section has 08 sub parts (questions) 1 to 08, carrying one mark each. This section shall cover whole the syllabus.

1×8= 08

SECTION- II

Very Short Answer Questions: This section comprises of 7 sub parts or questions 9 to 15, carrying 2 marks each. Answer to each question may be of two to three sentences. This section will cover whole the syllabus, choosing at least one question from each unit.

2×7= 14

SECTION- III

Short Answer Questions: This section comprises 5 sub parts, questions 16 to 20, each carrying 4 marks. One question each from Unit I and Unit IV shall be set in this section and three questions from Unit II and Unit III. All the questions shall have internal choice.

4×5=20

SECTION- IV

Long Answer Questions: This section comprises of 3 sub parts (questions) with 100% internal choice, 21 to 23, carry 6 marks each. Answer to each question should be in about 100 to 150 words. All the four Units of Syllabus shall be covered.

6×3=18

SECTION- V

Map Question: This section comprises two questions of map carrying 5 marks each. Students/Examinees are to attempt any 5 out of 8 items in each question. One part of map work pertains to identification and other pertains to labelling in political outline map of India and the World as per syllabus.

5×2 =10

Question wise Break up

Type of Question	Marks Per Question	Total no. of Questions	Total Marks	percentage
Objective Type (Learning checks)	1	08	08	11.5
Short Answer (VSA)	2	07	14	20
Short Answers (SA)	4	05	20	28.5
Long Answer (LA)	6	03	18	25.5
Map Skills Based	5	02	10	14.5
Total		25	70	100

Weightage to Content

Section A	08 Marks
Section B	14Marks
Section C	20 Marks
Section D	18 Marks
Section E (Map Work)	10 Marks
Practical	20 Marks
Project Work/Book bank	08/02 Marks
Total	100 Marks

Weightage of Difficulty Level

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (AV)	50%
(iii) Difficult (D)	20%

Design of Question Paper

Typology of questions	MCQ/Ob jective type(1 Mark)	Very short Answer (VSA)(2 Marks)	Short Answer- I (SA- 1)(4 Marks)	Long Answer (LA)(6 Marks)	Map work (5)	Total Marks	% wise Weighta ge
Remembering- (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles or theories; Identify,	8	2		1	-	18	25.5%

defined or recite, information)							
Understanding- (Comprehension-to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)		3	3	2		30	43%
Application (Use abstract information in concrete situation, to apply knowledge to new situation; Use given content to interpret a situation, provide an example, or solve a problem)		2	2			12	17%
Thinking skills (Analysis & Synthesis- classify, compare, contrast, or differentiate between different pieces of information, Organize and/or integrate unique pieces of information from a variety of sources)					2	10	14.5%
Total-70	8	7X2=14	5X4=20	3X6=18	2X5=10	Total 70	100%

SYLLABUS (Theory)

UNIT-I

- Solar System: Earth:- Position of Earth in Solar System, Size and Shape, Movements of Earth and Effects, Longitudes and Latitudes.
Time; Local, Standard and International Date Line.
- Rocks: Origin, Classification and Characteristics
Factors of change; Weathering and Denudation by river, glacier, wind, oceans and underground water.

UNIT-II

Lithosphere

- Landforms: Mountains, Plateaus and Plains; Origin, Classification and their significance to mankind.
- Earthquakes: Causes, Effects, Types and Distribution.
Volcanoes: Causes and effects of Volcanic activities.

UNIT-III

Atmosphere

- Extents, Layers and composition.
- Temperature; Factors controlling temperature, distribution and range of temperature.
- Pressures; Factors controlling pressures, horizontal and vertical distribution.
- Winds: Planetary, seasonal and local; Shifting of wind belts and their impact.
Cyclones and Anti-cyclones.
- Humidity and Precipitation; Relative humidity and Specific humidity
Precipitation types, rainfall types and distribution.

UNIT-IV

Hydrosphere

- Oceans: Ocean basins and submarine relief, Ocean waters and their circulation, temperature, salinity, waves, currents and tides.
- Special reference: Geopolitical importance of Indian Ocean

Note:-

- A. Examples as far as possible be given from India.
- B. Answers be illustrated with maps and diagrams.

Map Work: 20 Marks

Maps: Necessity of maps, classification, scale of maps; R.F., Linear scale, its use in maps.
Reduction and enlargement through square method.

Direction: Finding direction in the field and on the map, Orientation of Local map in the field, methods of showing direction on the map.

Atlas map symbols: Identifications and Recognition of Symbols of conventional signs used in atlas, Topographic sheet and weather maps.

Methods of showing relief on maps: Contours, Interpolation of Contours identification of simple relief features from contours on a map.

Drawing of cross-section, observation and recording of various weather elements with the help of following instruments:

- a) Six's minimum and maximum thermometer.
- b) Aneroid Barometer
- c) Wind Vane
- d) Wet and Dry bulb thermometer
- e) Rain gauge
- f) Drawing of isotherms, isobars and isohyets.

INA/Project report/BB: 10 marks.

CLASS - XI
DEFENCE STUDIES

Time : 3 Hrs

Theory : 80 Marks
Project Work: 20 Marks
Total: 100 Marks

STRUCTURE OF QUESTIONS PAPER (THEORY)

1. There will be 30 Questions in all.
2. There will be 15 questions of one Mark each & these questions will be objective type. 15×1= 15 Marks
3. There will be 5 questions of 3 Marks each. 5×3=15 Marks
4. There will be 6 questions of 5 Marks each with internal choice. 6×5=30 Marks
5. There will be 4 questions. Attempt any two questions of 10 marks each. 2×10=20 Marks

SYLLABUS

1. Definition and scope of Defence Studies, its relationship with other social and Physical Sciences.
2. Warfare: Evolution of warfare since primitive time to modern times. Definition and concepts of war, origin of war, Feudal war, Dynastic war, People's war, Modern war.
3. (a) Give Strategic importance of following places:
 - (i) Suez-canal
 - (ii) Panama Canal
 - (iii) Straits of Malacca
 - (iv) Korakoram-Sinking Highway.
 - (v) Laddakh.
 - (vi) Kathmandu.
 - (vii) Kodari Highway.
 - (viii) Chumbi Valley.

(b) Defence Potential of India:

 - (i) Strategic location frontiers of India;
 - (ii) Boundaries;
 - (iii) India's strategic Mineral Commodities;
 - (iv) Industrial potentials, transport and communication in India;

Physical and Cultural factors determining the defence potential.

4. Psychological Aspects of War:-

- (i) Morale: Concept and definition, factors, controlling to morale and importance of morale.
- (ii) Discipline: Definition, importance factors contributing to discipline, relation of discipline to morale. Leadership: Definition, Importance, Types and Qualities of leadership.
- (iii) Fear and Panic: Causes and effects of fear and panic, methods of recovery from fear and panic.
- (iv) Man Management: What is man management and its purpose.

PAPER-II

VIVA VOCE /PROJECT WORKS

20 Marks

- 1. Interview or Viva Voce: 10
- 2. Project File: 10

**CLASS - XI
PSYCHOLOGY**

**Time: 3 Hrs
Time: 3 Hrs**

**Theory: 70 Marks
Practical:30Marks
Total: 100 Marks**

STRUCTURE OF QUESTION PAPER

1. The Question paper will comprise of 26 questions in total.
2. All questions will be compulsory to attempt.
3. The question paper will consist of four parts:

Part-I will consist of eight (8) objective type questions (Q.No.1 to 8) carrying 1 mark each. Objective type questions may include questions with one word to one sentence answer **or** fill in the blank **or** true/false **or** multiple choice type questions. 8×1=8

Part-II will consist of eight (8) short answer type I, questions (Q. No. 9 to 16) carrying 2 marks each. Answer of each question should be given in 50-60 words. 8×2=16

Part-III will consist of seven (7) short answer type II, questions (Q. No. 17 to 23) carrying 4 marks each. Answers of each question should be given in 80-90 words. Out of seven, two internal choice questions will be asked. 7×4=28

Part-IV will consist of three (3) long answer type questions with internal choice (Q. No. 24 to 26) carrying 6 marks each. Answer of each question should be given in approximately two pages of the answer sheet. 3×6=18

UNITWISE DISTRIBUTION OF QUESTIONS AND MARKS

Type of question	Marks per question	No. of questions	Unitwise Distribution Of Questions								Total Marks	
			Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII		
Objective type	1 Mark	8	1	1	1	1	1	1	1	1	1	8
Short answer type-I	2 Marks	8	1	1	1	1	1	1	1	1	1	16
Short answer type-II	4 Marks	7	1	1	1	1	-	1	1	1	1	28

Long answer type	6 Marks	3	-	-	1	-	1	-	1	-	18
Total		26	3	3	4	3	3	3	4	3	70

SYLLABUS

PART-A

Unit-I Psychology as a Science of Behaviour:

Nature of psychology, Importance of psychology in life. Its concept and Definition-Fields of Psychology-Relationship of Psychology with Physiology, Sociology and Education.

Unit-II Methods of Psychology:

Introspection, observation, Experimental and Case History Methods.

Unit-III Psychological Basis of Behaviour:

Response Mechanism: Meaning, Definition and Parts, i.e. Receptors, Effectors and Connections- Basic Unit of Nervous System: The Neurons and its kinds-Nerve Impulse and Reflex Action-Classification of Receptors according to Position and Function. Major Parts of Brain and their functions-The structure and function of Spinal Cord-The structure and function of Autonomic Nervous System, Endocrine glands and the effect of their Hormones on Behaviour.

Unit-IV Sensory Processes

Definition, Meaning, Threshold and characteristics of Sensations-kinds of sensations with special reference to visual sensation.

-Eye as a Sense Organ-Colour Blindness and After Images.

Unit-V: Perception: Nature and Meaning. Difference between Illusions and Hallucinations.

Unit-VI: Attention: Meaning, Definition and characteristics of Attention-Factors affecting attention-span, Division and Distraction of Attention.

Unit-VII: Learning: Meaning, Definition and views regarding Nature of Learning- Characteristics of Learning-Methods and theories of Learning: Learning through trial and error, Insight theory of Learning. Laws of learning.

Unit-VIII: Memory: Meaning, Definition and characteristics of Memory-Kinds of Memory-Processes of Memory: Recognition, Retention, Recall, Memorization-Forgetting and its Causes.

STRUCTURE OF PRACTICAL PAPER

Time:3 Hrs

30 Marks

Practical Examination

- | | |
|---|----------|
| • Practical (Experiments) file | 10 Marks |
| • Viva Voce (experiments) | 05 Marks |
| • One experiment(05 for conduct and 10 for reporting) | 15 Marks |
| Total | 30 Marks |

EXPERIMENTS

1. Negative After image
2. Mapping of Sensory Spots in the skin
3. Mapping of blind spot
4. Span of Attention
5. Mirror Drawing Experiment
6. Retention by Recall
7. Immediate Memory Span
8. Division of Attention

**CLASS - XI
HOME SCIENCE**

Time: 3 Hrs

**THEORY : 70 Marks
PRACTICAL: 25 Marks
IA: 05 Marks**

(Average Periodic tests' performance; 3 Marks
Book Bank ;2 Marks)

TOTAL: 100 Marks

STRUCTURE OF QUESTION PAPER (THEORY)

- 1 All questions will be compulsory.
- 2 There will be total 33 questions.
- 3 Question number 1 to 18, Section -A will be objective type questions and of 1 mark each.
- 4 Question number 19 to 23, Section - B will be of 2 mark each to be answered in minimum 20 words.
- 5 Question number 24 and 25, Section- C will be of 3 marks each to be answered in minimum 30 words.
- 6 Question number 26 to 29, Section-D will be of 4 marks each, to be answered in minimum 40 words.
- 7 Question number 30 to 33 , Section-E will be of 5 marks each, to be answered in minimum 50 to 60 words.
- 8 Internal choices will be given in sections B, C, D, E for two, one , two and two questions respectively.
- 9 Candidate should support the answer with suitable examples wherever required.

SECTIONWISE DISTRIBUTION OF QUESTIONS AND MARKS

Marks per question	No. of Questions	Distribution of questions		Total Marks
		Foods & Nutrition	Human Development	
1 Mark	18	9	9	18
2 Marks	5	3	2	10
3 Marks	2	1	1	6
4 Marks	4	2	2	16
5 Marks	4	2	2	20
Total		17	16	70

SYLLABUS (THEORY)

SECTION – A

(Family Resource Management)

1. Meaning and Scope of Home Science

- i. Meaning
- ii. Five major areas of home science
- iii. Significance of home science in improving quality of life

2. Management Concepts

- i. Meaning of management
- ii. Purpose of home management

- iii. Management process- planning, controlling, evaluation
- iv. Motivational factors of management (values, goals, standards and decision making)
- v. Qualities of an efficient home manager

3. Management of Resources in day to day Living

- i. Meaning, type and characteristics of resources
- ii. Time and energy management
 - Steps in time and energy management
 - Work simplification techniques
- iii. Money management
 - Steps in money management
 - Methods of supplementing family income
 - Wise buying and saving practices
 - Saving and investment

4. Cleaning and Maintenance of House and Household Items

- i. General principles for cleaning and cleaning schedule
- ii. Cleaning tools and cleansing materials
- iii. Cleaning of different metals/materials used in household
- iv. Eco friendly substitutes for cleaning household items and surfaces

5. Interior decoration and Space Management

- i. Importance and objectives of interior decoration
- ii. Use of art principles in home decoration
- iii. Spaces managements through use of colour, light, accessories and furniture

6. Consumer Protection & Education

- i. Need and importance for consumer education
- ii. Consumer problems related to purchase of household items
- iii. Consumer aids- labels, standardization marks, labels, advertisements
- iv. Consumer's rights and responsibilities
- v. Consumer Protection Act, 1986 and seeking redressal for grievances.

SECTION – B
(Apparel and Textile Science)

1. Fibre Science

- i. Classification of fibres
- ii. Sources, characteristics and suitability for use of cotton, wool, silk and nylon

2. Fabric Construction and Finishes

- i. Yarns-
 - a. Simple
 - b. Novelty
- ii. Weaving-
 - a. Basic weave mechanism
 - b. Plain, twill, satin and sateen weaves
- iii. Knitting, knotting, crocheting, braiding, felting and bonding
- iv. Purpose and classification of finishes
- v. Brief introduction to mercerization, bleaching, stiffening, tentering, calendaring, scouring

3. Dyeing and Printing

- i. Purpose and types
- ii. Plain dyeing
- iii. Tie and dye
- iv. Batik, block, stencil and spray printing

4. Elements and Principles of Design and their Impact

5. Selection, Care, Maintenance and Storage of Clothes

- i. Factors influencing selection of apparel
- ii. Check points before buying readymade garments
- iii. Care labels on fabric and readymade garments.
- iv. Soaps and detergents
- v. Stain Removal
- vi. Care and storage

STRUCTURE OF QUESTION PAPER (PRACTICAL)

Time: 3 Hours

Marks: 25

There should not be more than 25 candidates in a group. The Practical question paper will consist of two sections. Distribution of Marks will be as follows:

1. Viva Voce, Notebook & Record 5 Marks

Section-A (Family Resource Management)

2. Any one practical from practical no. 1, 2, 3, 4, 5,9 and 10 5 Marks
3. Any one practical from practical no. 6, 7 and 8 5 Marks

Section-B (Apparel and Textile Science)

4. Any one sample from practical no. 1 and 2
or
Any one sample from practical no. 3 and 4 5Marks
5. Any one sample from practical no. 5, 6 and10
or
Any one sample from practical no. 7, 8 and 9 5 Marks

SYLLABUS (PRACTICAL)

SECTION – A (Family Resource Management)

1. Organisation and Evaluation of work centers
2. Preparation of family budget
3. Opening and Operating a bank account
4. Identification of food adulterants through simple tests
5. Cleanning of Household articles/Surfaces
6. Flower arrangement
7. Tables setting and table etiquettes
8. Floor decoration
9. Critical analysis of labels
10. Practical experience of seeking redressal under consumer Act, 1986

SECTION – B (Apparel and Textile Science)

1. To identify different fibres by burning test
2. Preparation of paper samples for plain, twill, satin and sateen weaves.
3. Preparation of three knitting sample- knit stitch, purl stitch, combination of knit and purl stitch.
4. Preparation of two samples of crocheting
5. Preparation of five samples of tie and dye
6. Preparation of two samples of batik in at least three different colours
7. Preparation of two samples of block printing in at least two different colours
8. Preparation of one sample of spray printing
9. Preparation of one sample of stencil printing
10. Stain removal – ball pen, blood, grease, tea, curry

ਸ਼੍ਰੇਣੀ-ਗਿਆਰ੍ਹਵੀਂ
ਮਾਡਲਿੰਗ ਅਤੇ ਮੂਰਤੀਕਲਾ (ਬੁੱਤਕਾਰੀ)
Modelling and Sculpture

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਨੋਟ :- ਇਹ ਪੇਪਰ ਪੂਰਨ ਪ੍ਰਯੋਗੀ ਹੈ ਅਤੇ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਬੋਰਡ ਵੱਲੋਂ ਨਿਯਤ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਲਿਆ ਜਾਵੇਗਾ।

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ: 40

ਤਿਆਰ ਕੀਤੀ ਮਿੱਟੀ ਦੁਆਰਾ ਆਪਣੀ ਯਾਦ ਸ਼ਕਤੀ ਅਨੁਸਾਰ ਪੰਛੀ, ਜੰਗਲੀ ਜਾਨਵਰ, ਪਸ਼ੂ ਅਤੇ ਮਨੁੱਖੀ ਸਰੀਰ ਦੇ ਮਾਡਲ ਤਿਆਰ ਕਰਨੇ।

ਭਾਗ-II

ਅੰਕ: 40

ਅਸਲ ਸ਼ਕਲ ਦਰਸਾਉਂਦੇ ਕੰਨ, ਨੱਕ, ਬੁੱਲ੍ਹ, ਅੱਖ, ਹੱਥ, ਪੈਰ, ਚਿਹਰਾ ਅਤੇ ਸਿਰ ਦੇ ਮਾਡਲ ਬਣਾਉਣੇ।

ਭਾਗ-III

ਅੰਕ: 20

ਸੈਸ਼ਨਲ ਕੰਮ

ਸਾਰੇ ਸਾਲ ਵਿੱਚ ਤਿਆਰ ਕੀਤੀਆਂ ਘੱਟੋ-ਘੱਟ ਵੀਹ ਕਲਾਕਰਿਤੀਆਂ (ਬੁੱਤ) ਜੋ ਕਿ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਚੈੱਕ ਕਰੇਗਾ ਅਤੇ ਅੰਕ ਲਾਵੇਗਾ। ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਦੁਆਰਾ ਵਿਸ਼ੇ ਸਬੰਧੀ ਜਬਾਨੀ ਪ੍ਰਸ਼ਨ ਵੀ ਪੁੱਛੇ ਜਾ ਸਕਦੇ ਹਨ।

ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ/Structure of Question Paper
ਮਾਡਲਿੰਗ ਅਤੇ ਮੂਰਤੀਕਲਾ (ਬੁੱਤਕਾਰੀ)/Modelling and Sculpture

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਨੋਟ :- ਇਹ ਪੇਪਰ ਪੂਰਨ ਪ੍ਰਯੋਗੀ ਹੈ ਅਤੇ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਬੋਰਡ ਵੱਲੋਂ ਨਿਯਤ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਲਿਆ ਜਾਵੇਗਾ।

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ : 40

ਇਹ ਪੇਪਰ ਪ੍ਰਯੋਗੀ ਡੇਟ ਸ਼ੀਟ ਅਨੁਸਾਰ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਲਿਆ ਜਾਵੇਗਾ। ਇਹ ਸਵੇਰ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਹੋਵੇਗਾ ਅਤੇ ਇਸਦੇ 40 ਅੰਕ ਹੋਣਗੇ। ਇਸ ਦਾ ਸਮਾਂ ਚਾਰ ਘੰਟੇ ਹੋਵੇਗਾ। ਇਸ ਵਿੱਚ ਪੱਤੇ, ਫੁੱਲ, ਪੰਛੀ, ਜਾਨਵਰ ਅਤੇ ਮਨੁੱਖੀ ਸਰੀਰ ਮਿੱਟੀ ਦੁਆਰਾ ਤਿਆਰ ਕੀਤੇ ਜਾਣਗੇ।

ਭਾਗ-II

ਅੰਕ: 40

ਇਹ ਪੇਪਰ ਸ਼ਾਮ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਹੋਵੇਗਾ। ਇਸ ਦਾ ਸਮਾਂ ਚਾਰ ਘੰਟੇ ਅਤੇ ਇਹ ਪੇਪਰ 40 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਇਸ ਵਿੱਚ ਮਿੱਟੀ ਦੁਆਰਾ ਕੰਨ, ਨੱਕ, ਅੱਖ, ਹੱਥ, ਬੁੱਲ੍ਹ, ਪੈਰ, ਚਿਹਰਾ ਅਤੇ ਸਿਰ ਦਾ ਅਸਲ ਸ਼ਕਲ ਦਰਸਾਉਂਦਾ ਮਾਡਲ ਤਿਆਰ ਕੀਤਾ ਜਾਵੇਗਾ।

ਭਾਗ-III

ਅੰਕ: 20

ਸੈਸ਼ਨਲ ਕੰਮ

ਦੋਨਾਂ ਸੈਸ਼ਨਾਂ ਦੇ ਵਿਚਕਾਰ ਇੱਕ ਘੰਟੇ ਦੀ ਛੁੱਟੀ ਹੋਵੇਗੀ। ਉਸ ਦੌਰਾਨ ਸੈਸ਼ਨਲ ਕੰਮ ਚੈਕ ਕਰਕੇ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ। ਇਹ 20 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਇਸ ਵਿੱਚ ਪਾਠ-ਕ੍ਰਮ ਅਨੁਸਾਰ ਕੋਈ ਵੀਹ ਮਿੱਟੀ ਦੇ ਮਾਡਲ ਜੋ ਕਿ ਪ੍ਰੀਖਿਆਰਥੀ ਵੱਲੋਂ ਤਿਆਰ ਕੀਤੇ ਹੋਣ ਦਾ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।

ਨੋਟ:—ਮਿੱਟੀ ਜਾਂ ਪੀ.ਓ.ਪੀ. ਪ੍ਰੀਖਿਆਰਥੀ ਖੁਦ ਨਾਲ ਲੈਕੇ ਆਵੇਗਾ।

ਸ਼੍ਰੇਣੀ-ਗਿਆਰ੍ਹਵੀਂ
ਕਮਰਸ਼ੀਅਲ ਆਰਟ
Commercial Art

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਨੋਟ :- ਇਹ ਪੇਪਰ ਪੂਰਨ ਪ੍ਰਯੋਗੀ ਹੈ ਅਤੇ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਬੋਰਡ ਵੱਲੋਂ ਨਿਯਤ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਲਿਆ ਜਾਵੇਗਾ।

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ: 40

ਲੇ-ਆਉਟ ਡੀਜਾਇਨਿੰਗ (**Layout Designing**)

i) ਹਿੰਦੀ, ਪੰਜਾਬੀ ਜਾਂ ਅੰਗਰੇਜ਼ੀ ਵਿੱਚ ਵੱਡੇ ਵੱਡੇ ਅੱਖਰਾਂ ਵਿੱਚ ਲਿਖਾਈ ਕਰਨਾ।

ਜਿਵੇਂ :- ਜੀ ਆਇਆ ਨੂੰ, ਸੁਗਮਤ, WELCOME

(ii) ਸਾਧਾਰਨ ਕਿਤਾਬਾਂ ਦੇ ਕਵਰ ਚਿੱਤਰਾਂ ਦੇ ਸਾਧਾਰਨ ਲੇ-ਆਉਟ ਤਿਆਰ ਕਰਨੇ।

ਮੀਡੀਅਮ :- ਪੋਸਟਰ ਕਲਰ।

ਭਾਗ - II

ਅੰਕ : 40

ਪੋਸਟਰ ਬਣਾਉਣੇ (**Poster Making**)

ਵਪਾਰਕ ਵਸਤੂਆਂ ਦੀ ਮਸ਼ਹੂਰੀ ਸੰਬੰਧੀ ਪੋਸਟਰ ਤਿਆਰ ਕਰਨੇ।

ਜਿਵੇਂ - ਰੈੱਡ ਲੇਬਲ ਚਾਹ (Red Label Tea)

ਲਕਸ ਸਾਬਣ (LUX SOAP)

ਕਾਗਜ਼ ਦਾ ਮਾਪ :- ਪੂਰੇ ਕਾਗਜ਼ ਦਾ $\frac{1}{4}$ ਹਿੱਸਾ (35 ਸੈਂ. ਮੀ. \times 25 ਸੈਂ. ਮੀ.)

ਭਾਗ - III

ਅੰਕ : 20

ਸੈਸ਼ਨਲ ਕੰਮ

ਸਾਰੇ ਸਾਲ ਵਿੱਚ ਤਿਆਰ ਕੀਤੀਆਂ ਘੱਟੋ-ਘੱਟ 20 ਕਲਾ ਕ੍ਰਿਤੀਆਂ ਜੋ ਕਿ ਪ੍ਰੀਖਿਆਰਥੀ ਵੱਲੋਂ ਤਿਆਰ ਕੀਤੀਆਂ ਹੋਣ ਦਾ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।

ਨੋਟ : ਡਰਾਇੰਗ ਸ਼ੀਟਾਂ ਅਤੇ ਪੇਂਟਿੰਗ ਦਾ ਸਾਰਾ ਸਮਾਨ ਪ੍ਰੀਆਰਥੀ ਖੁਦ ਨਾਲ ਲੈ ਕੇ ਆਵੇਗਾ।

ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ (Structure of Question Paper)
ਕਮਰਸ਼ੀਅਲ ਆਰਟ (Commercial Art)

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ : 40

1. ਇਹ ਪੇਪਰ ਪ੍ਰਯੋਗੀ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਵੱਲੋਂ ਲਿਆ ਜਾਵੇਗਾ। ਪਹਿਲੇ ਸਵੇਰ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਲੇ-ਆਊਟ ਡਿਜ਼ਾਈਨਿੰਗ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ। ਇਹ ਪੇਪਰ ਚਾਰ ਘੰਟੇ ਦਾ ਹੋਵੇਗਾ। ਇਸ ਦੇ ਕੁੱਲ 40 ਅੰਕ ਹੋਣਗੇ। ਇਸ ਵਿੱਚ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਸੈੱਟ ਕਰਨੇ ਹੋਣਗੇ। ਵਿਦਿਆਰਥੀ ਵੱਲੋਂ ਕੋਈ ਇੱਕ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨਾ ਹੋਵੇਗਾ।

ਭਾਗ-II

ਅੰਕ : 40

2. ਦੂਜੇ ਸ਼ਾਮ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਪੋਸਟਰ ਡਿਜ਼ਾਈਨਿੰਗ ਦਾ ਪੇਪਰ ਹੋਵੇਗਾ। ਇਹ ਪੇਪਰ ਵੀ ਉਪਰੋਕਤ ਅਨੁਸਾਰ 40 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਇਸ ਦਾ ਸਮਾਂ ਚਾਰ ਘੰਟੇ ਹੋਵੇਗਾ। ਪ੍ਰੀਖਿਆਰਥੀ ਵੱਲੋਂ ਕੋਈ ਇੱਕ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰਨਾ ਹੋਵੇਗਾ।
3. ਪੇਪਰ ਦਾ ਸਾਈਜ਼:- ਪੂਰੇ ਕਾਗਜ਼ ਦਾ $\frac{1}{4}$ ਹਿੱਸਾ (35 ਸੈਂ. ਮੀ. \times 25 ਸੈਂ.ਮੀ.)

ਭਾਗ-III

ਅੰਕ : 20

ਸੈਸ਼ਨਲ ਕੰਮ

ਦੋਨਾਂ ਸੈਸ਼ਨਾਂ ਦੇ ਵਿਚਕਾਰ ਇੱਕ ਘੰਟੇ ਦੀ ਛੁੱਟੀ ਹੋਵੇਗੀ। ਉਸ ਦੌਰਾਨ ਸੈਸ਼ਨਲ ਕੰਮ ਚੈਕ ਕਰਕੇ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ। ਇਹ 20 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਸਾਰੇ ਸਾਲ ਵਿੱਚ ਤਿਆਰ ਕੀਤੀਆਂ ਘੱਟੋ-ਘੱਟ 20 ਕਲਾ ਕ੍ਰਿਤੀਆਂ ਜੋ ਕਿ ਪ੍ਰੀਖਿਆਰਥੀ ਵੱਲੋਂ ਤਿਆਰ ਕੀਤੀਆਂ ਹੋਣ ਦਾ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।

ਨੋਟ:- ਡਰਾਈਂਗ ਸ਼ੀਟਾਂ ਅਤੇ ਪੇਂਟਿੰਗ ਦਾ ਹੋਰ ਸਾਰਾ ਸਾਮਾਨ ਪ੍ਰੀਖਿਆਰਥੀ ਖੁਦ ਨਾਲ ਲੈ ਕੇ ਆਵੇਗਾ।

ਸ਼੍ਰੀ-ਗਿਆਰ੍ਹਵੀਂ
ਡਰਾਈਂਗ ਅਤੇ ਚਿੱਤਰਕਲਾ
Drawing and Painting

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਨੋਟ :- ਇਹ ਪੇਪਰ ਪੂਰਨ ਪ੍ਰਯੋਗੀ ਹੈ ਅਤੇ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਬੋਰਡ ਵੱਲੋਂ ਨਿਯਤ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਲਿਆ ਜਾਵੇਗਾ।

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ : 40

ਫਰੀਹੈਂਡ ਸੁਤੰਤਰ ਸਵੈ-ਪ੍ਰਗਟਾਵਾ ਅਤੇ ਡੀਜ਼ਾਈਨ (**Free Hand Self Expression and Design**)

ਸਕੈਚਿੰਗ ਅਤੇ ਬਣਾਵਟ :- ਕੁਦਰਤ ਅਤੇ ਜੀਵਨ ਅਨੁਸਾਰ ਪੰਛੀ, ਜਾਨਵਰ, ਮਨੁੱਖੀ ਆਕਾਰ ਦੇ ਚਿੱਤਰ ਤਿਆਰ ਕਰਨੇ।

ਜਾਂ

ਧਰਤੀ ਦ੍ਰਿਸ਼ ਚਿੱਤਰਨ (**Landscape Painting**)

ਆਪਣੀ ਯਾਦ ਸ਼ਕਤੀ ਦੁਆਰਾ ਪਹਾੜ, ਝੋਲ, ਝੋਪੜੀ, ਦਰਿਆ, ਘਰ ਅਤੇ ਦਰੱਖਤ ਆਦਿ ਦੇ ਚਿੱਤਰਾਂ ਨੂੰ ਪ੍ਰਯੋਗ ਕਰਕੇ ਕੁਦਰਤੀ ਦ੍ਰਿਸ਼ ਤਿਆਰ ਕਰਨੇ।

ਮੀਡੀਅਮ :- ਪੇਸਟਲ, ਪਾਣੀ ਵਾਲੇ ਰੰਗ ਅਤੇ ਤੇਲ ਵਾਲੇ ਰੰਗ

ਜਾਂ

ਡੀਜ਼ਾਈਨ (**Design**)

ਜਿਓਮੈਟਰੀਕਲ ਆਕਾਰ ਜਿਵੇਂ ਵਰਗ, ਆਇਤ, ਤਿਕੋਣ ਅਤੇ ਚੱਕਰ ਵਿੱਚ ਫੁੱਲ-ਪੱਤੀਆਂ, ਡੋਡੀਆਂ ਅਤੇ ਟਾਹਣੀਆਂ ਪ੍ਰਯੋਗ ਕਰਕੇ ਸੁਦਰ ਡੀਜ਼ਾਈਨ ਬਣਾਉਣੇ।

ਨੋਟ : ਸਿਰਫ਼ ਪਾਣੀ ਵਾਲੇ ਰੰਗ।

ਭਾਗ - II

ਅੰਕ: 40

ਮਾਡਲ ਡਰਾਈਂਗ (**Still Life**)

ਕੋਈ ਤਿੰਨ ਵਸਤੂਆਂ ਨੂੰ ਇਕੱਠੀਆਂ ਰੱਖਕੇ ਚਿੱਤਰਨ ਕਰਨਾ। ਇਹਨਾਂ ਵਿੱਚ ਇੱਕ ਵਰਗਾਕਾਰ ਜਾਂ ਆਇਤਾਕਾਰ ਅਤੇ ਬਾਕੀ ਦੋ ਵਸਤੂਆਂ ਗੋਲ, ਅੰਡਾਕਾਰ ਜਾਂ ਸਲੰਡਰ ਆਕਾਰ ਹੋਣ। ਮਾਡਲ ਦੇ ਪਿੱਛੇ ਡਰਾਪਰੀ ਸੈੱਟ ਕੀਤੀ ਜਾਵੇ। ਮਾਡਲ ਡਰਾਈਂਗ ਵਿੱਚ ਛਾਇਆ ਤੇ ਪਰਛਾਇਆ (Light and Shade) ਦਿਖਾਈ ਜਾਵੇ।

ਮਾਧਿਅਮ - ਪੈਨਸਿਲ ਰੰਗ, ਪੇਸਟਲ ਰੰਗ, ਪਾਣੀ ਵਾਲੇ ਰੰਗ, ਤੇਲ ਵਾਲੇ ਰੰਗ।

ਭਾਗ - III

ਅੰਕ : 20

ਸੈਸ਼ਨਲ ਕੰਮ

ਘੱਟੋ-ਘੱਟ 20 ਮਾਡਲ ਜੋ ਕਿ ਪ੍ਰੀਖਿਆਰਥੀ ਵੱਲੋਂ ਸਾਰੇ ਸਾਲ ਵਿੱਚ ਤਿਆਰ ਕੀਤੇ ਹੋਣ ਦਾ ਮੁਲਾਂਕਣ ਕੀਤਾ ਜਾਵੇਗਾ।

ਨੋਟ :- ਡਰਾਈਂਗ ਸ਼ੀਟਾਂ ਅਤੇ ਰੰਗ ਪ੍ਰੀਖਿਆਰਥੀ ਖੁਦ ਨਾਲ ਲੈ ਕੇ ਆਵੇਗਾ।

ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ (Structure of Question Paper)
ਡਰਾਈਂਗ ਅਤੇ ਚਿੱਤਰਕਲਾ (Drawing and Painting)

ਪ੍ਰਯੋਗੀ:80

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ:20

ਸਮਾਂ : 8 ਘੰਟੇ

ਕੁੱਲ ਅੰਕ : 100

ਨੋਟ :- ਇਹ ਪੇਪਰ ਪੂਰਨ ਪ੍ਰਯੋਗੀ ਹੈ ਅਤੇ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਰਾਹੀਂ ਬੋਰਡ ਵੱਲੋਂ ਨਿਯਤ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਲਿਆ ਜਾਵੇਗਾ।

ਪਹਿਲਾ ਪੇਪਰ (ਭਾਗ-I)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸਵੇਰ

ਦੂਜਾ ਪੇਪਰ (ਭਾਗ-II)

ਸਮਾਂ: 4 ਘੰਟੇ

ਸੈਸ਼ਨ: ਸ਼ਾਮ

ਭਾਗ-I

ਅੰਕ : 40

1. ਇਹ ਪੇਪਰ ਪ੍ਰਯੋਗੀ ਡੇਟ-ਸ਼ੀਟ ਅਨੁਸਾਰ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਵੱਲੋਂ ਲਿਆ ਜਾਵੇਗਾ। ਇਸ ਭਾਗ ਵਿੱਚ ਪਾਠ-ਕ੍ਰਮ ਅਨੁਸਾਰ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਸਕਚਿੰਗ, ਫਰੀਹੈਂਡ ਡਰਾਈਂਗ ਅਤੇ ਡਿਜ਼ਾਈਨ ਸਬੰਧੀ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਸੈੱਟ ਕਰੇਗਾ, ਜਿਸ ਵਿੱਚੋਂ ਪ੍ਰੀਖਿਆਰਥੀ ਆਪਣੀ ਚੋਣ ਅਨੁਸਾਰ ਇੱਕ ਪ੍ਰਸ਼ਨ ਹੱਲ ਕਰੇਗਾ ਜੋ 40 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਇਸਦਾ ਸਮਾਂ 4 ਘੰਟੇ ਦਾ ਹੋਵੇਗਾ। ਇਹ ਪੇਪਰ ਸਵੇਰ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਸੈੱਟ ਕੀਤਾ ਜਾਵੇਗਾ।
ਪੇਪਰ ਦਾ ਸਾਈਜ਼:- ਪੂਰੇ ਕਾਗਜ਼ ਦਾ $\frac{1}{4}$ ਹਿੱਸਾ (35 ਸੈਂ. ਮੀ. \times 25 ਸੈਂ. ਮੀ.)

ਭਾਗ-II

ਅੰਕ : 40

2. ਇਹ ਪੇਪਰ ਸ਼ਾਮ ਦੇ ਸੈਸ਼ਨ ਵਿੱਚ ਹੋਵੇਗਾ। ਇਸਦਾ ਸਮਾਂ 4 ਘੰਟੇ ਅਤੇ ਇਹ 40 ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ। ਇਸ ਵਿੱਚ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਕੋਈ ਤਿੰਨ ਵਸਤਾਂ ਇਕੱਠੀਆਂ ਰੱਖ ਕੇ ਮਾਡਲ ਸੈੱਟ ਕਰੇਗਾ ਅਤੇ ਪਿੱਛੇ ਡਰਾਪਰੀ ਸੈੱਟ ਕਰੇਗਾ। ਇਸ ਪੇਪਰ ਵਿੱਚ 13-13 ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਗਰੁੱਪ ਬਣਾਏ ਜਾਣਗੇ। ਗਰੁੱਪ ਅੱਧ ਚੱਕਰ ਵਿੱਚ ਹੋਵੇਗਾ। ਪਹਿਲੇ ਲਾਈਨ ਵਿੱਚ ਸੱਤ ਵਿਦਿਆਰਥੀ ਅਤੇ ਦੂਜੀ ਲਾਈਨ ਵਿੱਚ ਛੇ ਵਿਦਿਆਰਥੀ ਬਣਾਏ ਜਾਣਗੇ। ਇਹ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ ਕਿ ਹਰ ਵਿਦਿਆਰਥੀ ਨੂੰ ਮਾਡਲ ਅਸਾਨੀ ਨਾਲ ਦਿਖਾਈ ਦੇ ਸਕੇ। ਪੇਪਰ ਦਾ ਸਾਈਜ਼:- ਪੂਰੇ ਕਾਗਜ਼ ਦਾ $\frac{1}{4}$ ਹਿੱਸਾ (35 ਸੈਂ. ਮੀ. \times 25 ਸੈਂ. ਮੀ.)

ਭਾਗ-III

ਅੰਕ : 20

3. ਦੋਨਾਂ ਸੈਸ਼ਨਾਂ ਦੇ ਵਿਚਕਾਰ ਇੱਕ ਘੰਟੇ ਦੇ ਸਮੇਂ ਦੌਰਾਨ ਪ੍ਰਯੋਗੀ ਪ੍ਰੀਖਿਅਕ ਪ੍ਰੀਖਿਆਰਥੀਆਂ ਦੇ ਸੈਸ਼ਨਲ ਕੰਮ ਦਾ ਮੁਲਾਂਕਣ ਕਰੇਗਾ। ਇਸਦੇ 20 ਅੰਕ ਹੋਣਗੇ। ਪ੍ਰੀਖਿਅਕ ਕੀਤੇ ਕੰਮਾਂ ਅਨੁਸਾਰ ਅੰਕ ਦੇਵੇਗਾ।

ਅੰਕਾਂ ਦੀ ਵੰਡ:

ਸਕੈਚਿੰਗ ਅਤੇ ਬਣਾਵਟ	: 10 ਅੰਕ
ਪ੍ਰਭਾਵ	: 10 ਅੰਕ
ਠੀਕ ਡਰਾਈਂਗ	: 10 ਅੰਕ
ਰੰਗ ਯੋਜਨਾ	: 10 ਅੰਕ
ਕੁੱਲ ਅੰਕ	: 40 ਅੰਕ

ਧਰਤੀ ਦ੍ਰਿਸ਼ ਚਿੱਤਰਨ (Land Scape)

ਬਣਾਵਟ	: 14 ਅੰਕ
ਸਮੁੱਚਾ ਪ੍ਰਭਾਵ	: 8 ਅੰਕ
ਠੀਕ ਡਰਾਇੰਗ	: 8 ਅੰਕ
ਰੰਗ ਯੋਜਨਾ	: 10 ਅੰਕ
ਕੁੱਲ ਅੰਕ	: 40 ਅੰਕ

ਡਿਜ਼ਾਈਨ (Design)

ਡਿਜ਼ਾਈਨ ਦੀ ਇਕਾਈ	: 10 ਅੰਕ
ਪਪਰ ਤੇ ਡਿਜ਼ਾਈਨ ਦੀ ਸੈਟਿੰਗ	: 15 ਅੰਕ
ਰੰਗ ਯੋਜਨਾ ਅਤੇ ਪ੍ਰਭਾਵ	: 15 ਅੰਕ
ਕੁੱਲ ਅੰਕ	: 40 ਅੰਕ

ਭਾਗ-II

ਮਾਡਲ ਡਰਾਇੰਗ

ਬਣਾਵਟ	: 8 ਅੰਕ
ਅਨੁਪਾਤ ਅਤੇ ਸਮਾਨੁਪਾਤ	: 8 ਅੰਕ
ਵਿੱਥ ਸੋਝੀ	: 6 ਅੰਕ
ਠੀਕ ਡਰਾਇੰਗ	: 10 ਅੰਕ
ਛਾਇਆ ਤੇ ਪ੍ਰਛਾਇਆ	: 8 ਅੰਕ
ਕੁੱਲ ਅੰਕ	: 40 ਅੰਕ

CLASS - XI
ਸਰੀਰਿਕ ਸਿੱਖਿਆ ਅਤੇ ਖੇਡਾਂ

ਸਮਾਂ : 1 ਘੰਟਾ 30 ਮਿੰਟ

ਬਿਊਰੀ ਭਾਗ-20 ਅੰਕ
ਪ੍ਰਯੋਗੀ ਭਾਗ - 75 ਅੰਕ
ਅਤਰਿਕ ਮੁਲਾਂਕਣ- 5 ਅੰਕ
(ਬੁੱਕ ਬੈਂਕ-2 ਅੰਕ
ਪ੍ਰੋਜੈਕਟ-3 ਅੰਕ)
ਕੁੱਲ - 100 ਅੰਕ

ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੀ ਰੂਪ ਰੇਖਾ

1. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਵਿੱਚ ਕੁੱਲ 13 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ।
2. ਪ੍ਰਸ਼ਨ ਨੰਬਰ 1 ਤੋਂ 6 ਤੱਕ ਇੱਕ-ਇੱਕ ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ, ਇਹ ਓਬਜੈਕਟਿਵ ਟਾਈਪ ਵੀ ਹੋ ਸਕਦੇ ਹਨ ਅਤੇ ਇਹਨਾਂ ਦਾ ਉੱਤਰ 10 ਸ਼ਬਦਾਂ ਤੱਕ ਦਾ ਹੋ ਸਕਦਾ ਹੈ। **6×1=6 ਅੰਕ**
3. ਪ੍ਰਸ਼ਨ ਨੰਬਰ 7 ਤੋਂ 9 ਤੱਕ ਦੋ- ਦੋ ਅੰਕਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ ਲਗਪਗ 20 ਸ਼ਬਦਾਂ ਤੱਕ ਹੋ ਸਕਦਾ ਹੈ। **3×2=6 ਅੰਕ**
4. ਪ੍ਰਸ਼ਨ ਨੰਬਰ 10 ਤੋਂ 13 ਤੱਕ ਚਾਰ- ਚਾਰ ਅੰਕਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਹੋਣਗੇ। ਇਹਨਾਂ ਵਿੱਚ ਕੋਈ 2 ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। **2×4=8 ਅੰਕ**

ਪਾਠਕ੍ਰਮ (ਲਿਖਤੀ ਭਾਗ)

- ਪਾਠ ਪਹਿਲਾ ਸਿਹਤ ਸਿੱਖਿਆ
(ੳ) ਸਿਹਤ ਦੀ ਪਰਿਭਾਸ਼ਾ (ਅ) ਸਿਹਤ ਦੀਆਂ ਕਿਸਮਾਂ (ੲ) ਸਿਹਤ ਦੇ ਉਦੇਸ਼ (ਸ) ਸਿਹਤ ਦੇ ਸਿਧਾਂਤ (ਹ) ਸਿਹਤ ਸੰਬੰਧੀ ਉਪਾਅ (ਕ) ਸਿਹਤ ਸਿੱਖਿਆ ਦਾ ਖੇਤਰ
- ਪਾਠ ਦੂਜਾ ਸਰੀਰਿਕ ਸਿੱਖਿਆ ਅਤੇ ਇਸ ਦੀ ਮਹੱਤਤਾ
(ੳ) ਸਿਹਤ ਸਿੱਖਿਆ ਦਾ ਟੀਚਾ ਅਤੇ ਉਦੇਸ਼ (ਅ) ਖੇਤਰ (ੲ) ਮਹੱਤਵ
- ਪਾਠ ਤੀਜਾ ਸਰੀਰਿਕ ਰਚਨਾ ਅਤੇ ਕਿਰਿਆ ਵਿਗਿਆਨ ਦੀ ਜਾਣ ਪਛਾਣ
(ੳ) ਸਰੀਰਿਕ ਰਚਨਾ ਵਿਗਿਆਨ (ਅ) ਸਰੀਰਿਕ ਕਿਰਿਆ ਵਿਗਿਆਨ (ੲ) ਸਰੀਰਿਕ ਸਿੱਖਿਆ ਅਤੇ ਖੇਡਾਂ ਦੇ ਖੇਤਰ ਵਿੱਚ ਸਰੀਰਿਕ ਰਚਨਾ ਵਿਗਿਆਨ ਅਤੇ ਸਰੀਰਿਕ ਕਿਰਿਆ ਵਿਗਿਆਨ ਦਾ ਯੋਗਦਾਨ
- ਪਾਠ ਚੌਥਾ ਯੋਗ
(ੳ) ਪਰਿਭਾਸ਼ਾ (ਅ) ਇਤਿਹਾਸ (ੲ) ਅਰਥ (ਸ) ਮਹੱਤਤਾ (ਹ) ਯੋਗ ਕਰਨ ਸਮੇਂ ਨਿਰਧਾਰਿਤ ਦਿਸ਼ਾ ਨਿਰਦੇਸ਼ (ਕ) ਸੂਰਿਯ ਨਮਸਕਾਰ (ਖ) ਅਸਟਾਂਗ ਯੋਗ।
- ਪਾਠ ਪੰਜਵਾਂ ਨਸ਼ਿਆਂ ਅਤੇ ਡੋਪਿੰਗ ਦੇ ਮਾਰੂ ਪ੍ਰਭਾਵ।
(ੳ) ਨਸ਼ਿਆਂ ਦੀਆਂ ਕਿਸਮਾਂ (ਅ) ਨਸ਼ੇ ਕਰਨ ਦੇ ਕਾਰਨ (ੲ) ਨਸ਼ਿਆਂ ਦਾ ਖਿਡਾਰੀਆਂ, ਪਰਿਵਾਰ, ਸਮਾਜ ਅਤੇ ਦੇਸ਼ 'ਤੇ ਪ੍ਰਭਾਵ (ਸ) ਡੋਪਿੰਗ ਦਾ ਅਰਥ, ਡੋਪਿੰਗ ਦੇ ਸਰੀਰ 'ਤੇ ਪ੍ਰਭਾਵ (ਹ) ਅੰਤਰਰਾਸ਼ਟਰੀ ਉਲੰਪਿਕ ਕਮੇਟੀ।
- ਪਾਠ ਛੇਵਾਂ ਖੇਡ ਮਨੋਵਿਗਿਆਨ
(ੳ) ਅਰਥ (ਅ) ਪਰਿਭਾਸ਼ਾ (ੲ) ਖੇਤਰ (ਸ) ਸ਼ਾਖਾਵਾਂ (ਹ) ਮਨੋਵਿਗਿਆਨਿਕ ਤੱਤ (ਕ) ਪ੍ਰੇਰਨਾ
- ਪਾਠ ਸੱਤਵਾਂ ਟੂਰਨਾਮੈਂਟ
(ੳ) ਟੂਰਨਾਮੈਂਟ ਦੀਆਂ ਕਿਸਮਾਂ (ਅ) ਫਿਕਚਰ ਪਾਉਣ ਦਾ ਢੰਗ (ੲ) ਲੀਗ ਅਤੇ ਨਾਕਆਉਟ

ਟੂਰਨਾਮੈਂਟ ਦੇ ਲਾਭ ਅਤੇ ਹਾਨੀਆਂ।

ਪਾਠਕ੍ਰਮ (ਪ੍ਰਯੋਗੀ)

ਸਮਾਂ 4 ਘੰਟੇ

ਪ੍ਰਯੋਗੀ : 75 ਅੰਕ

ੳ) ਟਰੈਕ ਅਤੇ ਫੀਲਡ ਦੀ ਈਵੈਂਟਸ (ਲੜਕੇ ਅਤੇ ਲੜਕੀਆਂ ਲਈ) ਹਰੇਕ ਈਵੈਂਟ ਦੇ 12 ਅੰਕ ਹੋਣਗੇ।
ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਕੋਈ ਦੋ ਈਵੈਂਟਸ ਇੱਕ ਟਰੈਕ ਵਿੱਚੋਂ ਅਤੇ ਇੱਕ ਫੀਲਡ ਵਿੱਚੋਂ ਚੁਣੀਆਂ ਜਾ ਸਕਦੀਆਂ ਹਨ।

ਟਰੈਕ ਈਵੈਂਟਸ :- 100 ਮੀਟਰ ਦੌੜ , 200 ਮੀਟਰ ਦੌੜ, 400 ਮੀਟਰ ਦੌੜ, 800 ਮੀਟਰ ਦੌੜ, 3000 ਮੀਟਰ ਦੌੜ ਅਤੇ ਲੜਕੀਆਂ ਲਈ 110 ਮੀਟਰ ਹਰਡਲ (ਹਰਡਲ ਦੀ ਉਚਾਈ 96.4 ਸੈ.ਮੀ. ਅਤੇ 10 ਹਰਡਲਾਂ), ਲੜਕੀਆਂ ਲਈ 100 ਮੀਟਰ (ਹਰਡਲ ਦੀ ਉਚਾਈ 76.2 ਸ.ਮੀ.) ਅਤੇ 8 ਹਰਡਲਾਂ, 4×100 ਮੀਟਰ (ਲੜਕੀਆਂ ਵਾਸਤੇ) ਅਤੇ 4×100 ਮੀਟਰ (ਲੜਕੀਆਂ ਵਾਸਤੇ) ਰਿਲੇਅ ਦੌੜ 12 ਅੰਕ

ਫੀਲਡ ਈਵੈਂਟਸ:- ਹੈਮਰ ਥਰੋ, ਡਿਸਕਸ ਥਰੋ, ਜੈਵਲਿਨ ਥਰੋ, ਸ਼ਾਟ ਪੁੱਟ, ਲੰਮੀ ਛਾਲ, ਉੱਚੀ ਛਾਲ, ਤੀਹਰੀ ਛਾਲ, ਪੋਲ ਵਾਲਟ 12 ਅੰਕ

ਅ) ਹੇਠ ਲਿਖੇ ਦੋਨੋਂ ਗਰੁੱਪਾਂ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ-ਇੱਕ ਖੇਡ ਦੀ ਚੋਣ ਕਰਨੀ ਲਾਜ਼ਮੀ ਹ। ਹਰੇਕ ਖੇਡ ਦੇ 8 ਅੰਕ ਹੋਣਗੇ।

ਖੇਡਾਂ (ਲੜਕੇ ਅਤੇ ਲੜਕੀਆਂ ਲਈ)।

ਗਰੁੱਪ 1. ਹੈਂਡਬਾਲ, ਕਬੱਡੀ, ਮੁੱਕੇਬਾਜ਼ੀ, ਟੇਬਲ ਟੈਨਿਸ, ਜਿਮਨਾਸਟਿਕ, ਫੁੱਟਬਾਲ। 8 ਅੰਕ

ਗਰੁੱਪ 2. ਬਾਸਕਟਬਾਲ, ਯੋਗ, ਗਤਕਾ, ਵਾਲੀਬਾਲ, ਸਰਕਲ ਕੱਬਡੀ। 8 ਅੰਕ

ਸ) ਖੇਡਾਂ ਵਿੱਚ ਪ੍ਰਾਪਤੀ (ਵੱਧ ਤੋਂ ਵੱਧ 15 ਅੰਕ) ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਅੰਕ ਦਿੱਤੇ ਜਾਣਗੇ।

ਸਕੂਲ ਪ੍ਰਤੀਨਿੱਧਤਾ 3 ਅੰਕ

ਜਨ ਪ੍ਰਤੀਨਿੱਧਤਾ 5 ਅੰਕ

ਜਿਲ੍ਹਾ ਪ੍ਰਤੀਨਿੱਧਤਾ 8 ਅੰਕ

ਰਾਜ ਪ੍ਰਤੀਨਿੱਧਤਾ 10 ਅੰਕ

ਕੌਮੀ ਪ੍ਰਤੀਨਿੱਧਤਾ 15 ਅੰਕ

ਹ) ਪ੍ਰੈਕਟੀਕਲ ਕਾਪੀ, ਚਾਰਟ ਜਾਂ ਮਾਡਲ 10 ਅੰਕ

ਕ) ਜੁਬਾਨੀ ਪ੍ਰਸ਼ਨ-ਉੱਤਰ 10 ਅੰਕ

ਨੋਟ : ਪ੍ਰੈਕਟੀਕਲ ਦੇਣ ਸਮੇਂ ਪ੍ਰੀਖਿਆਰਥੀ ਸਪੋਰਟਸ ਕਿੱਟ ਵਿੱਚ ਹੋਣਾ ਚਾਹੀਦਾ ਹੈ।

ਨੋਟ :- ਸਮੂਹ ਸਰੀਰਿਕ ਸਿੱਖਿਆ ਅਤੇ ਖੇਡਾਂ ਦੇ ਅਧਿਆਪਕਾਂ ਨੂੰ ਹਦਾਇਤ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਵਿਦਿਆਰਥੀਆਂ ਲਈ ਅਲੱਗ ਤੋਂ ਕੋਈ ਵੀ ਪ੍ਰੈਕਟੀਕਲ ਨੋਟ ਬੁੱਕ ਆਦਿ ਨਾ ਲਗਾਈ ਜਾਵੇ ਅਤੇ ਪ੍ਰੈਕਟੀਕਲ/ਕਿਰਿਆਵਾਂ ਨੂੰ ਪਾਠ-ਕ੍ਰਮ ਦੇ ਨਾਲ ਨਾਲ ਕਰਵਾਈਆਂ ਜਾਣ ਅਤੇ ਵਿਦਿਆਰਥੀਆਂ ਦੁਆਰਾ ਇਹਨਾਂ ਕਿਰਿਆਵਾਂ ਨੂੰ ਸਧਾਰਨ ਨੋਟ ਬੁੱਕ ਵਿੱਚ ਹੀ ਲਿਖ ਲਿਆ ਜਾਵੇ।

CLASS-XI
MEDIA STUDIES
(2020-21)

Time: 3 Hours

Theory: 80 Marks
Project/INA/B. bank: 20 Marks
Total: 100 Marks

OBJECTIVES

Communication media have under gone big changes during a couple of decades and made its importance more meaningfully and abundantly felt. This has made our society awake in era of various new concepts and phenomena such as globalization, social media, civil society, new media and so on. It is being felt that communication media are playing an important role in shaping young minds, hence introductory information and practice is to be provided to students in this subject, at this stage.

STRUCTURE OF QUESTION PAPER (THEORY)

1. The questions shall be set keeping in mind that the subject matter is for beginners in this subject/ field.
2. There will be 27 questions, all compulsory.
3. Part- I of the question paper shall consist of 9 questions of 1 mark each, all objective type or multiple choice questions to be set from whole of syllabus.
 $1 \times 9 = 9$
4. Part- II of the question paper shall consist of 9 Short Answer questions of 3 marks each. The answer to such questions may run into four to five sentences. All questions shall cover whole of the syllabus, at least two from each group.
 $3 \times 9 = 27$
5. Part- III of the question paper shall consist of 5 Short Answer questions of 4 marks each with internal choice. The examinees shall answer these in a paragraph or two in size or length. Paper setter shall select three questions and choice questions too each from each unit.
 $4 \times 5 = 20$
6. Fourth part of the question paper shall contain 4 questions of 6 marks each, with 100% external choice, equally chosen from each unit. Each answer shall run into 300 words minimum.
 $6 \times 4 = 24$

Question wise breakup:

Type of Question	Marks Per Question	Number of Questions	Total Marks	Percentage
Objective Type/ Multiple choice ques.	1	9	09	11
Short Answer (SA-I)	3	9	27	34
Short Answer (SA-II)	4	5	20	25
Long Answer (LA)	6	4	24	30
Total		27	80	100

Weightage to Difficulty Level:

Estimated Difficulty Level	Percentage
(i) Easy (E)	30%
(ii) Average (Av)	50%
(iii) Difficult (D)	20%

Question Paper Design:

Typology of questions	MCQ/ Objective type (1 Mark)	Short Answer- I (SA- I) (3 Marks)	Short Answer- II (SA- II) (4 Marks)	Long Answer (LA) (6 Marks)	Total Marks	Percentage
Remembering- (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles or theories; Identify, defined or recite, information)	9	3	-	1	24	30
Understanding- (Comprehension-to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	-	4	4	2	40	50

Application- (Use abstract information in concrete situation, to apply knowledge to new situation; Use given content to interpret a situation, provide an example, or solve a problem)	-	2	1	1	16	20
Project/INA/B. bank – 20 Marks	1×9=09	3×9=27	4×5=20	6×4=24	80	100

SYLLABUS THEORY

Unit – I Introduction to Communication

1. **Communication:** Meaning, Definition and Types: Intrapersonal, Interpersonal, Group, Public and Mass Communication.
2. **Media of Communication:** Body language, Spoken word, Printed word, Symbols and Pictures.
3. **Language in Media Writing:** Basic difference between Media Writing and Literary Writing, Words & Terms generally used wrong in Punjabi & English.
4. **Types of Media:** Traditional, Newspaper, Radio, Television, Cinema and Cyber.

Unit – II News Media

5. **Understanding Newspapers:** News Stories, Editorial, Articles, Features, Letters to editor, Advertisements.
6. **Subject Matter of Newspapers:** News and its types, Views and its types, Advertisement and its types.
7. **Magazines:** Difference between books & magazines, Types of write ups in general and Punjabi Magazines in particular (Special emphasis on primary Sikheya, Pankhriyan, Akhar, Changi Kheti & Kahani Punjab).
8. **Introduction to Public Relation:** Definition and Tools of P.R.

Project/INA/Book Bank

1. **Clipping file:** Each student shall require to submit a clipping file consisting of 12 items, 2 each from following topics; Development News, Political Report, Photo Feature, Middle, News Analysis, Advertisement.
6 Marks
2. Teleboard display and news reading
6 Marks
3. **Viva:** The examiner shall ask the candidate questions on visit to any news paper office and Current Affairs (national and regional) related to running academic session period.
6 Marks
4. **Book Bank:** The examinees shall submit their study Material for students to follow and their this endeavour will be evaluated.
2 Marks

PHYSICS

Class XI

Time : 3 hrs

Theory :70 marks
Practical: 25 marks
INA : 5 marks
Total : 100 marks

STRUCTURE OF QUESTION PAPER (THEORY)

1. There will be one theory paper comprising of 18 questions.
2. Question No 1 will be carrying 20 objective type questions of one mark each. In objective type questions there will be 10 multiple choice questions including 2 questions of internal choice one theory type and one numerical type in choice from unit 7 (Properties of Bulk Matter) and from unit 10 (Oscillation and waves)], 3 true/false statements, 2 fill in the blanks and 5 one word answers or definitions.
3. Question number 2 to 8 will be carrying two marks each. There will be three questions of internal choice from unit-I, unit-II and unit-IV. Each one will have one theory type question and one numerical type in choice.
4. Question number 9 to 15 will be carrying three marks each. There will be two questions of internal choice from unit-III (Laws of Motion) and from unit-VIII (Thermodynamics). Each one will have one theory question and one numerical type in choice.
5. Question number 16 to 18 will be carrying 5 marks each and there will be internal choice in each of all these questions. From unit X (Oscillation and waves) internal choice questions will have one question from oscillations and choice question from waves.
6. Distribution of marks over different dimensions of the paper will be as follows.

	LEARNING OUTCOMES MARKS	PERCENTAGE OF MARKS
KNOWLEDGE	26	36%
UNDERSTANDING	30	44%
APPLICATION	14	20%
TOTAL	70	100%

7. Use of un-programmable calculator is allowed. The log tables can be used.
8. Total weightage of numerical will be 20% i.e. 14 marks. There will be two numericals of 1 marks, 3 numericals of 2 marks and 2 numericals of 3 marks.

UNIT WISE DISTRIBUTION OF MARKS

Unit	Title	Marks
1	Physical world & Measurement	04
2	Kinematics	12
3	Laws of Motion	07
4	Work, Power and energy	07
5	Motion of system of particles& rigid body	05
6	Gravitation	05
7	Properties of Bulk Matter	10
8	Thermodynamics	07
9	Behaviour of perfect gases & Kinetic theory of gases	04
10	Oscillation & waves	09
	Total Marks	70

SCHEMATIC DISTRIBUTION OF MARKS

UNIT	Title	1 Mark Question	2 Marks Question	3 Marks Question	5 Marks Question	Total Marks
1	Physical world & Measurement	2	1 or Num	.....	....	04
2	Kinematics	2	1 or Num	1	1	12
3	Laws of Motion	2	1	1or Num	.....	07
4	Work, Power and energy	2	1 or Num	1	....	07
5	Motion of system of particles& rigid body	2	.....	1	....	05
6	Gravitation	2	.....	1	....	05

7	Properties of Bulk Matter	2or Num	.....	1	1	10
8	Thermodynamics	2	1	1 or Num	.....	07
9	Behaviour of perfect gases & Kinetic theory of gases	2	1	.....	.....	04
10	Oscillation & waves	2 or num	1	.....	1	09
	Total questions	1 (Sub Parts20)	7	7	3	18
	Total Marks	20	14	21	15	70

INSTRUCTIONS FOR PAPER SETTER

Note : There will be one theory paper comprising of 18 questions.

1. Question No 1 will be carrying 20 objective type questions of one marks each. There will be 2 questions of internal choice one theory type and one numerical type from unit 7 (Properties of Bulk Matter) and unit (Oscillation & waves), 10 multiple choice questions, 3 true/false statements, 2 fill in the blanks and 5 one word answers or definitions.
2. Question number 2 to 8 total 7 questions will be carrying two marks each. There will be three questions of internal choice from unit-I, unit-II and unit-IV. Each one will have one theory type question and one numerical type in choice.
3. Question number 9 to 15 total 7 questions will be carrying three marks each. There will be two questions of internal choice from unit-III (Laws of Motion) and from unit-VIII (Thermodynamics). Each one will have one theory question and one numerical type in choice.
4. Question number 16 to 18 will be carrying 5 marks each and there will be internal choice in each of all these questions. From unit X (Oscillation and waves) internal choice questions will have one question from oscillations and choice question from waves.
5. Questions paper should cover all the syllabus.
6. No question or topic should be repeated in the question paper.
7. Questions in the paper can be asked only from mentioned PSEB syllabus. Questions from any topic which is not mentioned in the syllabus will be considered as out of syllabus .
8. All 3 sets must be of equal standard and difficulty level questions.
9. At the end of each question, paper setter must write detailed distribution of marks of each sub-question.
10. Vague, many possible answer questions, confusing answer question etc type of question should not be

asked in the paper.

One mark questions, answer should be of one word or one line only.

11. Language used should be clearly understood & specific.
12. Time and length limit of paper should be kept in mind while setting the paper.
13. Questions paper should be made according to knowledge, understanding and applications part marks distribution.

Unit I: Physical World and Measurement

10 Periods

Chapter–1: Physical World

Physics-scope and excitement; nature of physical laws; Physics, technology and society.

Chapter–2: Units and Measurements

Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. Length, mass and time measurements; accuracy and precision of measuring instruments; errors in measurement; significant figures.

Dimensions of physical quantities, dimensional analysis and its applications.

Unit II: Kinematics

24 Periods

Chapter–3: Motion in a Straight Line

Frame of reference, Motion in a straight line: Position-time graph, speed and velocity.

Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs.

Relations for uniformly accelerated motion (graphical treatment).

Chapter–4: Motion in a Plane

Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, relative velocity, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors.

Motion in a plane, cases of uniform velocity and uniform acceleration- projectile motion, uniform circular motion.

Unit III:

Laws of

Motion 14 Periods

Chapter–5: Laws of Motion

Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion.

Law of conservation of linear momentum and its applications.

Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.

Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).

Unit IV: Work, Energy and Power 12 Periods Chapter–6: Work,

Energy and Power

Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power.

Notion of potential energy, potential energy of a spring, conservative forces: conservation of mechanical energy (kinetic and potential energies); non- conservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.

Unit V: Motion of System of Particles and Rigid Body

18 Periods Chapter–7: System of Particles and Rotational Motion

Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications.

Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.

Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.

Unit VI: Gravitation 12 Periods

Chapter–8: Gravitation

Kepler's laws of planetary motion, universal law of gravitation.

Acceleration due to gravity and its variation with altitude and depth.

Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, Geo-stationary satellites.

Unit VII: Properties of Bulk Matter 24 Periods Chapter–9: Mechanical

Properties of Solids

Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy.

Chapter–10: Mechanical Properties of Fluids

Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure.

Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications.

Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.

Chapter–11: Thermal Properties of Matter

Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; C_p , C_v - calorimetry; change of state - latent heat capacity.

Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law, Greenhouse effect.

Unit VIII: Thermodynamics

12 Periods

Chapter–12: Thermodynamics

Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes.

Second law of thermodynamics: reversible and irreversible processes, Heat engine and refrigerator.

Unit IX: Behaviour of Perfect Gases and Kinetic Theory of Gases 08

Periods Chapter–13: Kinetic Theory

Equation of state of a perfect gas, work done in compressing a gas.

Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.

Unit X: Oscillations and Waves 26 Periods

Chapter–14: Oscillations

Periodic motion - time period, frequency, displacement as a function of time, periodic functions.

Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period. Free, forced and damped oscillations (qualitative ideas only), resonance.

Chapter–15: Waves

Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.

PRACTICALS Total Periods: 60

The record, to be submitted by the students, at the time of their annual examination, has to include:

- Record of at least 15 Experiments [with a minimum of 6 from each section], to be performed by the students.

- Record of at least 5 Activities [with a minimum of 2 each from section A and section B], to be demonstrated by the teachers.
- Report of the project to be carried out by the students.

**EVALUATION
SCHEME
STRUCTURE OF PAPER (PRACTICAL)**

Time: 3 hrs.

Total: 25 Marks

Two experiment	10
Record of Activities	2
Viva on Activities	3
Record of Experiments	2
Viva of Experiments	3
Investigatory Project	5

TOTAL	25
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SECTION–A

Experiments

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.
3. To determine volume of an irregular lamina using screw gauge.
4. To determine radius of curvature of a given spherical surface by a spherometer.
5. To determine the mass of two different objects using a beam balance.
6. To find the weight of a given body using parallelogram law of vectors.
7. Using a simple pendulum, plot its $L-T^2$ graph and use it to find the effective length of second's pendulum.
8. To study variation of time period of a simple pendulum of a given length by taking bobs of

same size but different masses and interpret the result.

9. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.
10. To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\sin \theta$.

Activities

(for the purpose of demonstration only)

1. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
2. To determine mass of a given body using a metre scale by principle of moments.
3. To plot a graph for a given set of data, with proper choice of scales and error bars.
4. To measure the force of limiting friction for rolling of a roller on a horizontal plane.
5. To study the variation in range of a projectile with angle of projection.
6. To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).
7. To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.

SECTION-B

Experiments

1. To determine Young's modulus of elasticity of the material of a given wire.
2. To find the force constant of a helical spring by plotting a graph between load and extension.
3. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and $1/V$.
4. To determine the surface tension of water by capillary rise method.
5. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

6. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.
7. To determine specific heat capacity of a given solid by method of mixtures.
8. To study the relation between frequency and length of a given wire under constant tension using sonometer.
9. To study the relation between the length of a given wire and tension for constant frequency using sonometer.
10. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

Activities (for the purpose of demonstration only)

1. To observe change of state and plot a cooling curve for molten wax.
2. To observe and explain the effect of heating on a bi-metallic strip.
3. To note the change in level of liquid in a container on heating and interpret the observations.
4. To study the effect of detergent on surface tension of water by observing capillary rise.
5. To study the factors affecting the rate of loss of heat of a liquid.
6. To study the effect of load on depression of a suitably clamped metre scale loaded at
(i) its end (ii) in the middle.
7. To observe the decrease in pressure with increase in velocity of a fluid.

Practical Examination for Visually Impaired Students Class XI

Note: Same Evaluation scheme and general guidelines for visually impaired students as given for Class XII may be followed.

A. Items for Identification/Familiarity of the apparatus for assessment in practicals (All experiments)

Spherical ball, Cylindrical objects, vernier calipers, beaker, calorimeter, Screw

gauge, wire, Beam balance, spring balance, weight box, gram and milligram weights, forceps, Parallelogram law of vectors apparatus, pulleys and pans used in the same 'weights' used, Bob and string used in a simple pendulum, meter scale, split cork, suspension arrangement, stop clock/stop watch, Helical spring, suspension arrangement used, weights, arrangement used for measuring extension, Sonometer, Wedges, pan and pulley used in it, 'weights' Tuning Fork, Meter scale, Beam balance, Weight box, gram and milligram weights, forceps, Resonance Tube, Tuning Fork, Meter scale, Flask/Beaker used for adding water.

B. List of Practicals

1. To measure diameter of a small spherical/cylindrical body using vernier calipers.
2. To measure the internal diameter and depth of a given beaker/calorimeter using vernier calipers and hence find its volume.
3. To measure diameter of given wire using screw gauge.
4. To measure thickness of a given sheet using screw gauge.
5. To determine the mass of a given object using a beam balance.
6. To find the weight of given body using the parallelogram law of vectors.
7. Using a simple pendulum plot L-T and $L-T^2$ graphs. Hence find the effective length of second's pendulum using appropriate length values.
8. To find the force constant of given helical spring by plotting a graph between load and extension.
 - (i) To study the relation between frequency and length of a given wire under constant tension using a sonometer.
 - (ii) To study the relation between the length of a given wire and tension, for constant frequency, using a sonometer.
9. To find the speed of sound in air, at room temperature, using a resonance tube, by observing the two resonance positions.

Note: The above practicals may be carried out in an experiential manner rather than recording observations.

**CLASS XI
CHEMISTRY**

Time: 3 Hrs

**Theory: 70 Marks
Practical: 25 Marks
INA : 5 Marks
Total: 100 Marks**

STRUCTURE OF QUESTION PAPER (THEORY)

1. There will be one theory paper comprising of 18 questions. All questions are compulsory.
2. Question no. 1 will have 20 sub parts and each part will carry 1 mark. All questions are compulsory. This question will be of multiple choice, numerical, one word answers, true false and comprehensive.
3. Question no. 2 to 8 will be of two marks each. There will be internal choice in two questions. All questions are compulsory.
4. Question no.9 to 15 will be of three marks each. There will be internal choice in two questions. All questions are compulsory
5. Question no.16 to 18 will be of five marks each. There will be internal choice in them.
6. Distribution of marks over different dimensions of the paper will be as follows.

LEARNING OUTCOMES	PERCENTAGE OF MARKS
KNOWLEDGE	36%
UNDERSTANDING	44%
APPLICATION	20%
Total	100%

7. Use of un-programmable calculator is allowed. The log tables can be used.

8. Total weightage of numerical will around 20%

UNITWISE DISTRIBUTION OF MARKS OF CLASS 10+1

SR. NO.	UNIT	TOTAL MARKS
I	Some Basic Concepts of chemistry	6
II	Structure of Atom	5
III	Classification of Elements and Periodicity in Properties	4
IV	Chemical Bonding and Molecular Structure	6

V	States of Matter: Gases and Liquids	5
VI	Chemical Thermodynamics	6
VII	Equilibrium	4
VIII	Redox Reactions	2
IX	Hydrogen	5
X	s-Block Elements	4
XI	Some p-Block Elements	5
XII	Organic Chemistry:Some Basic Principles and Techniques	7
XIII	Hydrocarbons	7
XIV	Environmental Chemistry	4
	Total	70

CLASS 10+1 SCHEMATIC DISTRIBUTION OF MARKS

SR. NO.	UNIT	1 MARK	2 MARK	3 MARK	5 MARK	TOTAL MARK
I	Some Basic Concepts of chemistry	1N(M.C.Q)	1T	1N (internal choice)		6
II	Structure of Atom	2T (M.C.Q.,T/F)		1N		5
III	Classification of Elements and Periodicity in Properties	1(T/F)		1T		4
IV	Chemical Bonding and Molecular Structure	3 T (M.C.Q.,T/F,O.W.)		1 T		6
V	States of Matter: Gases and Liquids		1T (internal choice)	1T		5
VI	Chemical Thermodynamics	1T (O.W.)			1 (1 mark N+4 mark T)	6
VII	Equilibrium	2 (N+T) (M.C.Q.,T/F)	1N (internal choice)			4

VIII	Redox Reactions		1 N			2
IX	Hydrogen	5 (Comprehension)				5
X	s-Block Elements	2 T (T/F,O.W.)	1T			4
XI	Some p-Block Elements				1 T	5
XII	Organic Chemistry: Some Basic Principles and Techniques	2T (M.C.Q.,O.W)			1 T	7
XIII	Hydrocarbons		2 T	1 T (internal choice)		7
XIV	Environmental Chemistry	1T O.W.		1 T		4
	TOTAL QUESTIONS & TOTAL MARKS	20 sub parts T.M.=20	T.Q.=7 T.M.=1 4	T.Q.=7 T.M.=2 1	T.Q.=3 T.M.=1 5	T.Q.=18 T.M.=7 0

NOTE: In above schematic distribution of marks
T=Theory, **N**=Numerical, **M.C.Q.**=Multiple choice question,
O.W.= one word, **T/F**= True false

Total questions in paper= 18 Questions

INSTRUCTIONS FOR PAPER SETTER

Note:

1. There will be one theory paper comprising of 18 questions. All questions are compulsory.
2. Question no. 1 will have 20 sub parts and each part will carry 1 mark. All questions are compulsory. This question will be of multiple choice, numerical, one word answers, true false and comprehensive.
3. Question no. 2 to 8 will be of two marks each. There will be internal choice in two questions. All questions are compulsory.
4. Question no.9 to 15 will be of three marks each. There will be internal choice in two questions. All questions are compulsory
5. Question no.16 to 18 will be of five marks each. There will be internal choice in them.
6. Questions paper should cover all the syllabus.
7. No question or topic should be repeated in the question paper.
8. Questions in the paper can be asked only from mentioned PSEB syllabus. Questions from any topic which is not mentioned in the syllabus will be considered as out of syllabus question.
9. All sets must be of equal standard and difficulty level questions.
10. At the end of each question, paper setter must write detailed distribution of marks of each sub-question.
11. Vague, many possible answer questions, confusing answer question etc type of question will not be asked in the paper.
12. Language used should be clearly understood & specific.
13. Time and length limit of paper should be kept in mind while setting the paper.

Unit I: Some Basic Concepts of Chemistry 12 Periods

General Introduction: Importance and scope of chemistry.

Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.

Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.

Unit II: Structure of Atom 14 Periods

Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.

Unit III: Classification of Elements and Periodicity in Properties 08 Periods

Modern periodic law and the present form of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100

Unit IV: Chemical Bonding and Molecular structure 14 Periods

Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules(qualitative idea only), hydrogen bond.

Unit V: States of Matter: Gases and Liquids.

12 Periods

Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws in elucidating the concept of the molecule, Boyle's law, Charles law, Gay Lussac's law, Avogadro's law, ideal behaviour, empirical derivation of gas equation, Avogadro's number, ideal gas equation.

Deviation from ideal behaviour, liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea)

Liquid State: vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)

Unit VI: Chemical Thermodynamics

16 Periods

Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics

-internal energy and enthalpy, heat capacity and specific heat, measurement of

ΔU and ΔH , Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction). Introduction of entropy as a state function, Gibb's energy change for spontaneous and non-spontaneous processes, criteria for equilibrium.

Third law of thermodynamics (brief introduction).

Unit VII: Equilibrium

14 Periods

Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium- Le Chatelier's principle, ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, Henderson Equation,

hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (with illustrative examples).

Unit VIII: Redox Reactions

06 Periods

Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.

Unit IX: Hydrogen

08 Periods

Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses of hydrogen, hydrides-ionic covalent and interstitial; physical and chemical properties of water, heavy water, hydrogen peroxide - preparation, reactions and structure and use; hydrogen as a fuel.

Unit X: s-Block Elements (Alkali and Alkaline Earth Metals)

10 Periods

Group 1 and Group 2 Elements General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens, uses. Preparation and Properties of Some Important Compounds: Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogencarbonate, Biological importance of Sodium and Potassium. Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium

Unit XI: p -Block Elements

14 Periods

General Introduction to p -Block Elements

Group 13 Elements: General introduction, electronic configuration,

occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group, Boron - physical and chemical properties, some important compounds, Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalies, uses.

Group 14 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first elements. Carbon-catenation, allotropic forms, physical and chemical properties; uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.

Unit XII: Organic Chemistry - Some Basic Principles and Techniques **14 Periods**

General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.

Unit XIII: Hydrocarbons 12 Periods

Classification of Hydrocarbons Aliphatic Hydrocarbons:

Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.

Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markownikov's addition and peroxide effect), ozonolysis, oxidation,

mechanism of electrophilic addition.

Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.

Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.

Unit XIV: Environmental Chemistry

06 Periods

Environmental pollution - air, water and soil pollution, chemical reactions in atmosphere, smog, major atmospheric pollutants, acid rain, ozone and its reactions, effects of depletion of ozone layer, greenhouse effect and global warming- pollution due to industrial wastes, green chemistry as an alternative tool for reducing pollution, strategies for control of environmental pollution.

PRACTICALS

Evaluation Scheme for Examination	Marks
Volumetric Analysis	07
Salt Analysis	07
Content Based Experiment	05
Project Work	03
Class record and viva	03
Total	25

PRACTICAL SYLLABUS

Total Periods 60

Micro-chemical methods are available for several of the practical experiments. Wherever possible such techniques should be used:

A. Basic Laboratory Techniques

1. Cutting glass tube and glass rod
2. Bending a glass tube
3. Drawing out a glass jet
4. Boring a cork

B. Characterization and Purification of Chemical Substances

1. Determination of melting point of an organic compound.
2. Determination of boiling point of an organic compound.
3. Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid.

C. Experiments based on pH

(a) Any one of the following experiments:

- Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.
- Comparing the pH of solutions of strong and weak acids of same concentration.
- Study the pH change in the titration of a strong base using universal indicator.

(b) Study the pH change by common-ion in case of weak acids and weak bases.

d. Chemical Equilibrium

One of the following experiments:

- a) Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.
- b) Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and chloride ions by changing the concentration of either of the ions.

e. Quantitative Estimation

- i) Using a chemical balance.
- ii) Preparation of standard solution of Oxalic acid.
- iii) Determination of strength of a given solution of Sodium Hydroxide by titrating it against standard solution of Oxalic acid.
- iv) Preparation of standard solution of Sodium Carbonate.
- v) Determination of strength of a given solution of Hydrochloric acid by titrating it against standard Sodium Carbonate solution.

f. Qualitative Analysis

- (a) Determination of one anion and one cation in a given salt

Cations- Pb^{2+} , Cu^{2+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Ni^{2+} , Zn^{2+} , Co^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Mg^{2+} , $[\text{NH}_4]^+$

Anions - $[\text{CO}_3]^{2-}$, S^{2-} , $[\text{SO}_3]^{2-}$, $[\text{SO}_4]^{2-}$, $[\text{NO}_3]^-$, Cl^- , Br^- , I^- , $[\text{PO}_4]^{3-}$, $[\text{C}_2\text{O}_4]^{2-}$, CH_3COO^-

(Note: Insoluble salts excluded)

- (b) Detection of -Nitrogen, Sulphur, Chlorine in organic compounds.

PROJECT

Scientific investigations involving laboratory testing and collecting information from other sources.

A few suggested Projects

- Checking the bacterial contamination in drinking water by testing sulphide ion.
- Study of the methods of purification of water.
- Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).
- Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium Carbonate on it.
 - Study the acidity of different samples of tea leaves.
- Determination of the rate of evaporation of different liquids.
- Study the effect of acids and bases on the tensile strength of fibers.
- Study of acidity of fruit and vegetable juices.

Note: Any other investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.

Practical Examination for Visually Impaired Students Class XI

Note: Same Evaluation scheme and general guidelines for visually impaired students as given for Class XII may be followed.

A. List of apparatus for identification for assessment in practicals (All experiments)

Beaker, Tripod stand, Wire gauze, glass rod, funnel, filter paper, Bunsen burner, test tube, test tube stand, dropper, test tube holder, ignition tube, china dish, tongs, funnel, tripod stand, wire gauze, Bunsen burner, standard flask, pipette, burette, conical flask, funnel, clamp stand, dropper, wash bottle, filter paper

- Odour detection in qualitative analysis
- Procedure/Setup of the apparatus

B. List of Experiments

A. Characterization and Purification of Chemical Substances

1. Crystallization of an impure sample of any one of the following: copper sulphate, benzoic acid

B. Experiments based on pH

1. Determination of pH of some solutions obtained from fruit juices, solutions of known and varied concentrations of acids, bases and salts using pH paper

2. Comparing the pH of solutions of strong and weak acids of same concentration.

c. Chemical Equilibrium

1. Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either ions.
2. Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and chloride ions by changing the concentration of either of the ions.

d. Quantitative estimation

1. Preparation of standard solution of oxalic acid.
2. Determination of molarity of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.

e. Qualitative Analysis

1. Determination of one anion and one cation in a given salt
2. Cations- $[\text{NH}_4]^+$
Anions - $[\text{CO}_3]^{2-}$, S^{2-} , $[\text{SO}_3]^{2-}$, Cl^- , CH_3COO^-
(Note: insoluble salts excluded)
3. Detection of Nitrogen in the given organic compound.
4. Detection of Halogen in the given organic compound.

**CLASS XI
(2020 -21)
BIOLOGY (Code No. 054)**

Time: 3 Hrs

**Theory: 70 Marks
Practical: 25 Marks
Internal Assessment : 05 Marks
Total: 100 Marks**

The present syllabus provides the students with new concepts along with an extended exposure to contemporary areas of the subject. The syllabus also aims at emphasizing on the underlying principles that are common to both animals and plants as well as highlighting the relationship of Biology with other areas of knowledge. The format of the syllabus allows a simple, clear, sequential flow of concepts. It relates the study of biology to real life through the use of technology. It links the discoveries and innovations in biology to everyday life such as environment, industry, health and agriculture. The updated syllabus also focuses on reducing the curriculum load while ensuring that ample opportunities and scope for learning and appreciating basic concepts of the subject continue to be available within its framework. The prescribed syllabus is expected to:

- promote understanding of basic principles of Biology;
- encourage learning of emerging knowledge and its relevance to individual and society;
- promote rational/scientific attitude towards issues related to population, environment and development;
- enhance awareness about environmental issues, problems and their appropriate solutions;
- create awareness amongst the learners about diversity in the living organisms and developing respect for other living beings;
- appreciate that the most complex biological phenomena are built on essentially simple processes; It is expected that the students would get an exposure to various branches of Biology in the syllabus in a more contextual and friendly manner as they study its various units

(THEORY)

Time:3 Hours

Max. Marks:70

Unit	Title	No. of Periods	Marks
I	Diversity of Living Organisms	23	10
II	Structural Organisation in Plants and Animals	23	12
III	Cell: Structure and Function	34	14
IV	Plant Physiology	40	17
V	Human Physiology	40	17
	Total	160	70

Unit-I Diversity of Living Organisms

Chapter-1: The Living World

What is living? Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy- museums, zoological parks, herbaria, botanical gardens.

Chapter-2: Biological Classification

Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups: Lichens, Viruses and Viroids.

Chapter-3: Plant Kingdom

Salient features and classification of plants into major groups - Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiospermae (three to five salient and distinguishing features and at least two examples of each category); Angiosperms - classification upto class, characteristic features and examples.

Chapter-4: Animal Kingdom

Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category).
(No live animals or specimen should be displayed.)

Unit-II Structural Organization in Animals and Plants

Chapter-5: Morphology of Flowering Plants

Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed (to be dealt along with the relevant experiment of the Practical Syllabus).

Chapter-6: Anatomy of Flowering Plants

Anatomy and functions of different tissues and tissue systems.

Chapter-7: Structural Organisation in Animals

Animal tissues; Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach). (a brief account only)

Unit-III Cell: Structure and Function

Chapter-8: Cell-The Unit of Life

Cell theory and cell as the basic unit of life: Structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles; mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.

Chapter-9: Biomolecules

Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids; Enzymes-types, properties, enzyme action.

Chapter-10: Cell Cycle and Cell Division

Cell cycle, mitosis, meiosis and their significance

Unit-IV Plant Physiology

Chapter-11: Transport in Plants

Movement of water, gases and nutrients; cell to cell transport, diffusion, facilitated diffusion, active transport; plant-water relations, imbibition, water potential, osmosis, plasmolysis; long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; Uptake and translocation of mineral nutrients - Transport of food, phloem transport, mass flow hypothesis.

Chapter-12: Mineral Nutrition

Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics as a method to study mineral nutrition; nitrogen metabolism, nitrogen cycle, biological nitrogen fixation.

Chapter-13: Photosynthesis in Higher Plants

Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C₃ and C₄ pathways; factors affecting photosynthesis.

Chapter-14: Respiration in Plants

Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient.

Chapter-15: Plant - Growth and Development

Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; seed dormancy; vernalisation; photoperiodism.

Unit-V Human Physiology

Chapter-16: Digestion and Absorption

Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhoea.

Chapter-17: Breathing and Exchange of Gases

Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.

Chapter-18: Body Fluids and Circulation

Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.

Chapter-19: Excretory Products and Their Elimination

Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uraemia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.

Chapter-20: Locomotion and Movement

Types of movement - ciliary, flagellar, muscular; skeletal muscle- contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal system - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.

Chapter-21: Neural Control and Coordination

Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse; reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear

Chapter-22: Chemical Coordination and Integration

Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goiter, diabetes, Addison's disease.

Note: Diseases related to all the human physiological systems to be taught in brief.

PRACTICALS

Time Allowed : Three hours

Max. Marks: 25

Evaluation Scheme		
One Major Experiment Part A (Experiment No- 1,3,7,8)		4 Marks
One Minor Experiment Part A (Experiment No- 6,9,10,11,12,13)		3 Marks
Slide Preparation Part A (Experiment No- 2,4,5)		3 Marks
Spotting Part B		7 Marks
Practical Record + Viva Voce	Credit to the students' work over the academic session may be given	4 Marks
Project Record + Viva Voce		4 Marks
Total		25 Marks

A: List of Experiments

1. Study and description of three locally available common flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams). Types of root (Tap and adventitious); stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Study of osmosis by potato osmometer.
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves).
5. Study of distribution of stomata in the upper and lower surface of leaves.
6. Comparative study of the rates of transpiration in the upper and lower surface of leaves.
7. Test for the presence of sugar, starch, proteins and fats. Detection in suitable plant and animal materials.
8. Separation of plant pigments through paper chromatography.
9. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
10. Test for presence of urea in urine.
11. Test for presence of sugar in urine.
12. Test for presence of albumin in urine.
13. Test for presence of bile salts in urine.

B. Study/observation of the following (spotting)

1. Study of the parts of a compound microscope.
2. Study of the specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
3. Study of virtual specimens/slides/models and identification with reasons - Amoeba, Hydra, liverfluke, Ascaris, leech,

earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.

4. Study of tissues and diversity in shapes and sizes of plant and animal cells (palisade cells, guard cells, parenchyma, collenchyma, sclerenchyma, xylem, phloem, squamous epithelium, muscle fibers and mammalian blood smear) through temporary/permanent slides.
5. Study of mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
6. Study of different modifications in roots, stems and leaves.
7. Study and identification of different types of inflorescence (cymose and racemose).
8. Study of imbibition in seeds/raisins.
9. Observation and comments on the experimental set up for showing:
 - a) Anaerobic respiration
 - b) Phototropism
 - c) Effect of apical bud removal
10. Study of human skeleton and different types of joints with the help of virtual images/models only.
11. Study of external morphology of cockroach through virtual images/models.

Internal assessment :

Total = 05 Marks

Book Bank =2 marks

Average of Periodic assessment tests = 3 marks

CLASS-XI
Computer Application
Instructions (Theory Paper)

Time: 3 hours

Theory : 60 Marks
IA : 05 Marks
Practical : 35Marks
Total:100 Marks

Structure of Question Paper

1. There will be four sections of Question Paper (Part- A, Part- B, Part- C and Part- D).
2. In Part- A , there will be 6 objective type question from Question No. 1 to 6 , each question will be of one marks each.
3. In Part -B, there will be 6 Questions from Question no. 7 to 12, each questions will be of two marks.
4. In Part -C , there will be 6 Questions from Question no. 13 to 18, each questions will be of four marks.
5. In Part -D, there will be three questions from Question no. 19 to 21 , each question will be of 6 marks.
6. All questions of Part-A, Part-B, Part-C and Part-D are compulsory. However internal choice may be given in part-D.

Sr. No	Chapter	Total Marks	Marks 1 question	Marks 2 question	Marks 4 question	Marks 6 question
1.	Introduction to C	10			1	1
2.	Constant Variable and data types	7	1	1	1	
3.	Operators and Expressions	7	1	1	1	
4.	Control and Expressions	8		1		1
5.	Arrays	7	1	1	1	
6.	String Handling Functions	7	1	1	1	
7.	User defined functions	7	1	1	1	
8.	Internet & E-Governance	7	1			1
	Total Marks	60	6	12	24	18

- Lesson 1: Introduction to C
- 1.1 Introduction
 - 1.2 Distinctive Features of C Language
 - 1.3 Character set of C Language
 - 1.4 Structure of C Program
 - 1.5 Function
 - 1.6 Compilation and execution of C program
 - 1.7 Starting with Programming
- Lesson 2: Constants, Variables and Data Types
- 2.1 Introduction
 - 2.2 Identifiers
 - 2.3 Keywords
 - 2.4 Constants

- 2.5 Variables
- 2.6 Delimiters
- 2.7 Data types:
- 2.8 Type modifier or Qualifiers
- 2.9 The void Data type or empty data type:
- Lesson3: Operators and Expressions
 - 3.1 Introduction
 - 3.2 Operators
- Lesson 4 Control and Expressions
 - 4.1 Introduction
 - 4.2 Conditional control structures (Decision Making Statement)
 - 4.3 Multi way conditional (case) control structures
 - 4.4 Jumping (branching) Control structures:
 - 4.5 Loop (Iterative) control structures
- Lesson 5 Arrays
 - 5.1 Introduction
 - 5.2 Declaration of an array:
 - 5.3 Initializing arrays:
 - 5.4 Accessing array Elements
 - 5.5 Entering Data into an Array:
 - 5.6 Manipulation of array elements:
 - 5.7 Types of arrays:
- Lesson 6: String Handling Functions
 - 6.1 Introduction
 - 6.2 Declaration and Initializing String Variables
 - 6.3 READING and WRITING STRINGS
 - 6.4 Reading strings using scanf() function
 - 6.5 Arithmetic operations on characters
 - 6.6 STRING Functions
- Lesson 7: User defined Function
 - 7.1 Introduction
 - 7.2 What is a function
 - 7.3 Need of functions
 - 7.4 Defining Function
 - 7.5 Structure/form of a function
 - 7.6 Arguments and Parameters
 - 7.7 Using a Function in Program
- Lesson 8: Internet & E-Governance
 - 8.1 Introduction
 - 8.2 Applications of Internet
 - 8.3 History of Internet
 - 8.4 Facilities of Internet
 - 8.5 Search Engine
 - 8.6 Internet Explorer
 - 8.7 E-Mail
 - 8.8 Computer Virus
 - 8.9 Online Railways and Air Ticketing

PRACTICAL

Time: 3 hrs

Marks: 35

EVALUATION SCHEME FOR PRACTICAL

1. Programming in C

2. There will be 5 questions / Program will be set from which candidate has to attempt any four program/ Questions. Each Program or Question will be of 5 marks. Mark for the programming are to be given on the basis of program documentation / indentation, algorithm and result (output)

5×4=20 Marks

2. Viva-Voce

10 Marks

3. Practical record file:

5Marks

Record of at least 20 programs in C (with listing and Outputs) based on programming concepts and on data base concepts

SYLLABUS: All the relevant practical exercise will be based upon the relevant chapters mentioned in the Theory Syllabus.

CLASS-XI
BUSINESS STUDIES – I
(COMMERCE and HUMANITIES GROUP)

Time: 3 Hrs

Theory: 80 Marks
Project work: 20 marks
Total: 100 Marks

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will cover whole of the syllabus.
2. 21 Questions will be set in the question paper.
3. All units of the syllabus should be given adequate representation in the question paper.
4. There will be 4 sections in the paper and all sections will be compulsory.

Section-A

5. Question No. 1 consists of 20 sub parts (1a to 1t) carrying 1 mark each. Answer of each Part should be given in 1-15 words. Objective type questions may include questions with one word to one sentence answer/fill in the blank/true or false/multiple choice type questions.

Section-B

6. Question No. 2 to 10 will carry 2 marks each. Answer of each question should be given in 5-10 lines.

Section-C

7. Do any 6 questions out of 8 questions. Question No. 11 to 18 will carry 4 marks each. Answer of each question should be given in 15-20 lines.

Section-D

8. Question No. 19 to 21 will carry 6 marks each with internal choice. Answer of each question should be given in 3-5 pages. Internal choice question should not be set from the same unit.

Detail of questions set from each unit

UNIT NO.	NAME OF THE UNIT	SECTION – A (1 mark question)	SECTION – B (2 mark question)	SECTION – C (4 mark question)	SECTION – D (6 mark question)
1	Evolution and Fundamentals of Business	2	1	1	1 Question from units 1,2,3, and 4 with internal choice not from same unit.
2	Forms of Business organizations	2	1	1	
3	Public, Private and Multinational Company	2	1	1	
4	Business Services	2	1		
5	Emerging Modes of Business	2	1	1	1 Question from units 5, 6 and 7 with internal choice not
6	Social	2	1	1	

	Responsibility of Business and Business Ethics				from same unit.
7	Sources of Business Finance	2	1	1	
8	Small Business and Enterprises	2	1	1	1 Question from units 8, 9 and 10 with internal choice not from same unit.
9	Internal Trade	2	1	1	
10	International Trade	2			
	TOTAL	20	09	08 (DO ANY 6)	03 (with internal choice)

SYLLABUS (THEORY)

Part A: Foundation of Business Concept includes meaning and features

Unit 1: Evolution and Fundamentals of Business

- History of Trade and Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy.
- Business – meaning and characteristics
- Business, profession and employment - Concept and comparison
- Objectives of business-Economic, social and human
- Role of profit in business.
- Classification of business activities – Industry and Commerce
- Industry-types: primary, secondary, tertiary Meaning and subgroups
- Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning
- Business risk-Nature and causes

Unit 2: Forms of Business organizations

- Sole Proprietorship-Concept, merits and limitations.
- Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners
- Hindu Undivided Family Business: Concept
- Cooperative Societies-Concept, merits, and limitations.
- Company – Concept, merits and limitations; Types: Private, Public and One Person Company – Concept

- Formation of company – stages, important documents to be used in formation of a company
- Choice of form of business organization

Unit 3: Public, Private and Multinational Company

- Public sector and private sector enterprises – Concept
- Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company.
- Multinational Company – Feature. Joint ventures, Public private partnership – concept.

Unit 4: Business Services

- Business services – meaning and types.
- Banking: Types of banks and functions of commercial banks. Types of bank accounts – savings, current, recurring, fixed deposit and multiple option deposit account
- Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments
- Insurance – Principles. Types – life, health, fire and marine insurance – concept
- Postal Service – Mail, Registered Post, Parcel, Speed Post, Courier – meaning

Unit 5: Emerging Modes of Business

- E-business: concept, scope and benefits. Difference between Traditional commerce and E-commerce.
- Business Process Outsourcing (BPO): Concept, need and scope

Unit 6: Social Responsibility of Business and Business Ethics

- Concept of social responsibility
- Case of social responsibility and Human rights.
- Responsibility towards owners, investors, consumers, employees, government and community.
- Role of business in environment protection
- Business Ethics – Concept and Elements

Part B: Finance and Trade

Unit 7: Sources of Business Finance

- Concept of business finance
- Owners' funds- equity shares, preferences share, retained earnings, Global Depository receipt (GDR), American Depository Receipt (ADR) and International Depository Receipt (IDR) – concept
- Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD)

Unit 8: Small Business and Enterprises

- Entrepreneurship Development (ED): Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship
- Small scale enterprise as defined by MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act)
- Role of small business in India with special reference to rural areas
- Government schemes and agencies for small scale industries: National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas

Unit 9: Internal Trade

- Internal trade – meaning and types services rendered by a wholesaler and a retailer
- Types of retail-trade-Itinerant and small scale fixed shops retailers
- Large scale retailers-Departmental stores, chain stores – concept and features
- GST (Goods and Services Tax): Concept and key-features

Unit 10: International Trade

- International trade: concept and benefits
- Export trade – Meaning and procedure
- Import Trade – Meaning and procedure
- Documents involved in International Trade; indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)
- World Trade Organization (WTO) meaning and objectives

Unit 11: Project Work

The marks will be allocated on the following heads.

1	Initiative, cooperativeness and participation	2 Marks
2	Creativity in presentation	2 Mark
3	Content, observation and research work	4 Marks
4	Analysis of situations	6 Marks
5	Viva	6 Marks
	Total	20 Marks

I. Project One: Field Visit

The objective of introducing this project among the students is to give a first hand experience to them regarding the different types of business units operating in their surroundings, to observe their features and activities and relate them to the theoretical knowledge given in their text books. The students should select a place of field visit from the following:

(Add more as per local area availability.)

1. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)
2. Visit to a Departmental store.
3. Visit to a Mall.

1. Visit to a whole sale market: vegetables/fruits/flowers/grains/garments etc. The students are required to observe the following:

- a) Sources of merchandise.
- b) Local market practices.
- c) Any linked up businesses like transporters, packagers, money lenders, agents, etc.
- d) Nature of the goods dealt in.
- e) Types of buyers and sellers.
- f) Mode of the goods dispersed, minimum quantity sold, types of packaging employed.
- g) Factors determining the price fluctuations.
- h) Seasonal factors (if any) affecting the business.
- i) Weekly/ monthly non working days.
- j) Strikes, if any causes thereof.
- k) Mode of payments.
- l) Wastage and disposal of dead stock.
- m) Nature of price fluctuations, reason thereof.
- n) Warehousing facilities available/availed.
- o) Any other aspect.

2. Visit to a Departmental store

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.
- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.
- g) Billing counter at store Cash, Credit Card/ Debit Card, swipe facility. Added attraction and facilities at the counter.
- h) Additional facilities offered to customers
- i) Any other relevant aspect.

3. Visit to a Mall.

The students are required to observe the following:

- a) Number of floors, shops occupied and unoccupied.
- b) Nature of shops, their ownership status
- c) Nature of goods dealt in: local brands, international brands,
- d) Service business shops- Spas, gym, saloons etc.
- e) Rented spaces, owned spaces,
- f) Different types of promotional schemes.
- g) Most visited shops.
- h) Special attractions of the Mall - Food court, Gaming zone or Cinema etc.
- i) Innovative facilities.
- j) Parking facilities. Teachers may add more to the list.

II. Project Two: Case Study on a Product

a) Take a product having seasonal growth and regular demand with which students can relate. For example,

- Apples from Himachal Pradesh, Kashmir.
- Oranges from Nagpur,
- Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
- Strawberries from Panchgani,
- Aloe vera from Rajasthan,
- Walnuts/almonds from Kashmir,
- Jackfruit from South,
- Guavas from Allahabad,
- Pineapples from North East India
- Tea from Assam
- Orchids from Sikkim and Meghalaya,
- Pottery of Manipur,
- Fishes from coastal areas.

Students may develop a Case Study on the following lines:

(i) Research for change in price of the product.

For example, apples in Himachal Pradesh during plucking and non plucking season.

(ii) Effect on prices in the absence of effective transport system.

(iii) Effect on prices in the absence of suitable warehouse facilities.

(iv) Duties performed by the warehouses.

(v) Demand and supply situation of the product during harvesting season, prices near the place of origin and away.

Students may be motivated to find out the importance of producing and selling these products and their processed items along with the roles of Transport, Warehousing, Advertising, Banking, Insurance, Packaging, Wholesale selling, Retailing, Co-operative farming, Co-operative marketing etc.

The teacher may develop the points for other projects on similar lines for students to work on. The teacher may assign this project as 'group' project and may give different products to different groups.

III. Project Three: Aids to Trade

Taking any one AID TO TRADE, for example Insurance and gathering information on following aspects

1. History of Insurance Lloyd's contribution.
2. Development of regulatory Mechanism.
3. Insurance Companies in India
4. Principles of Insurance.
5. Types of Insurance. Importance of insurance to the businessmen.
6. Benefits of crop, orchards, animal and poultry insurance to the farmers.
7. Terminologies used (premium, face value, market value, maturity value, surrender value) and their meanings.
8. Anecdotes and interesting cases of insurance. Reference of films depicting people committing fraudulent acts with insurance companies.
9. Careers in Insurance.

The students can any other aids to trade also like advertising, marketing, banking, warehousing etc.

IV. Project Four: Import /Export Procedure

Any one from the following

1. Import OR
2. Export procedure

The students should identify a product of their city/country which is imported /exported. They are required to find the details of the actual import/export procedure. They may take help from the Chambers of Commerce, Banker, existing Importers/Exporters, etc. They should find details of the procedure and link it with their Text knowledge. The specimens of documents collected should be pasted in the Project file with brief description of each. They may also visit railway godowns/dockyards/ transport agencies and may collect pictures of the same.

Presentation and submission of project report.

At the end of the stipulated term, each student will prepare and submit his/her project report.

Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format
2. The project will be handwritten.
3. The project will be presented in a neat folder.
4. The project report will be developed in the following sequence-
 - Cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the news papers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - Conclusions (summarised suggestions or findings, future scope of study).
 - Appendix (if needed).

CLASS-XI
ACCOUNTANCY-I
(COMMERCE AND HUMANITIES GROUP)

Time: 3 Hrs

Theory: 80Marks
Practical: 15Marks
Internal Assessment : 5 Marks
Total: 100Marks

STRUCTURE OF QUESTION PAPER (THEORY)

1. The question paper will cover whole of the syllabus.
2. There are 3 sections in the question paper i.e. Section A, Section B and Section C. Section A is compulsory for all the students and students may choose only one section from Section B and Section C. Section A, Section B and Section C will be set from the Part-I and Part-II and Part- III of the syllabus respectively.
3. 16 Questions will be set in the question paper.
4. All units of the syllabus should be given adequate representation in the question paper.
5. There is no word, line or page limit for numerical questions.
6. The use of non-programmable simple calculator is allowed.

SECTION-A

7. **Question No. 1** consists of 12 sub parts (1a to 1l) carrying 1 mark each. Answer of each Part should be given in 1-15 words. Objective type questions may include questions with one word to one sentence answer/true or false/multiple choice type questions. **Question No. 2 to 6** (Out of which 2 will be theoretical and 3 will be numerical) will carry 2 marks each. Answer of theoretical question should be given in 2-5 lines.

Question No. 7 consists of 5 sub parts (i, ii, iii, iv, v) out of which 3 will be numerical and 2 will be theoretical (Attempt any 4 questions out of Five) Each question will carry 4 marks. Answer of theoretical question should be given in 10-15 lines.

Question No.8 will be numerical with numerical question as internal choice. This question will be set from any of the first four units (unit 1, 2, 3 and 4) and will carry 6 marks. Internal choice question will not be set from the same unit.

Question No.9 will be numerical with numerical question as internal choice. This question will be set from any of the two units (unit 5 and 6) and will carry 6 marks. Internal choice question will not be set from the same unit.

SECTION B AND C

8. **In Question No. 10** consists of 8 sub parts (8a to 8h) carrying 1 mark each. Answer of each Part should be given in 1-15 words. Objective type questions may include questions with one word to one sentence answer/true or false/multiple choice type questions. **Question No. 11, 12, 13 and 14** (Out of which two will be theoretical and two numerical) will carry 2 marks each. Answer of theoretical question should be given in 2-5 lines.

Question No. 15 consists of 3 sub parts (i, ii, iii) out of which 2 will be numerical and one theoretical (Attempt any two questions out of three).

Each question will be 4 marks. Answer of theoretical question should be given in 10-15 lines.

Question No. 16 with internal choice between theoretical and numerical questions will be set out of units 7, 8, and 9 and will carry 6 marks. Internal choice question will not be set from the same unit. Answer of theoretical question should be given in 3-4 pages of answer book.

Detail of questions set from each unit

Unit No.	Name of the unit	1mark questions	2 marks questions	4 marks question	6 marks questions
Section A (Part-I)					
1.	Introduction to accounting and Theory base Accounting	2	1	1	1 numerical question from units 1,2,3 and 4 with numerical question as internal choice not from same unit.
2.	Recording of Business Transactions.	2	1	1	
3.	Trial Balance and Rectification of errors.	2	1	1	
4.	Depreciation, Provisions and Reserves.	2	1		
5.	Bank Reconciliation Statement	2		1	1 numerical question from units 5 and 6 with numerical question as internal choice not from same unit.
6.	Accounting for Bill of exchange transaction.	2	1	1	
Section B (Part-II)					
7.	Financial Statements without adjustments.	2	1	1	1 numerical question from units 7,8,and 9 with theoretical question as internal choice not from same unit.
8.	Financial Statements with adjustment	3	2	1	
9.	Incomplete records	3	1	1	
Or Section C (Part-III)					
7.	Computer in accounting	2	1	1	1 numerical question from units 7,8 and 9 with theoretical question as internal choice not from same unit.
8.	Automation of accounting process	3	1	1	
9.	Accounting and Data Base System	3	2	1	

SYLLABUS

Unit –1 Introduction to Accounting and theory base accounting

- i) Accounting- concept, objectives, advantages and limitations, types of accounting information, users of accounting information and their needs. Qualitative Characteristics of accounting information. Role of accounting in business.
- ii) Basic accounting terms: Business transaction, Capital, Drawings, Liabilities (Non Current and Current). Assets (Non Current and Current) Fixed assets (Tangible and Intangible), Expenditure (Capital and Revenue), Expense, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount).

iii) Theory Base of Accounting :

- (a) Fundamental Accounting assumptions : GAAP: Concept,
- (b) Business Entity : Money measurement, going concern, accounting period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full disclosure, consistency, Conservatism, Materiality and objectivity.
- (c) System of Accounting : Basis of Accounting : Cash Basis and accrual basis.
- (d) Accounting Standards: Need, benefits limitations, applicability, IFRS – Need.
- (e) Goods and Services Tax (GST) : Characteristics and Objective.

Unit-2 Recording of Business Transactions :

- i) Voucher and Transactions: Origin of Transactions-Source Documents and Vouchers, Preparation of Voucher; Accounting Equation Approach-Meaning and Analysis of Transaction using Accounting Equation; Rules of Debit and Credit.
- ii) Recording of Transactions: Books of Original Entry-Journal, Special Purpose Books:
 - (a) Cash Book-Simple, Cash book with Bank column and Petty Cash Book,
 - (b) Purchase Book, Sales Book, Purchase Returns Book, Sales Return Book,

Note : Including simple GST calculations

- (c) Ledger - Meaning, Utility, Format; Posting from Journal and Subsidiary Books; Balancing of Accounts.

Unit-3 Trial Balance and Rectification of Errors

- i) Trial-Balance; Meaning, Objectives, Advantages and Methods of Preparation. (Trial balance with balance method only).
- ii) Errors: Types of Errors; Errors affecting Trial Balance; Errors not affecting Trial Balance.
- iii) Detection and Rectification of Errors (one sided and two sided) Use of Suspense Account.

Unit-4 Depreciation, Provisions and Reserves

- i) Depreciation: Concept, Features, Causes, Factors.
- ii) Other similar terms : Depletion and Amortisation.
- iii) Methods of Depreciation-Straight Line Method (SLM), Written Down Value Method (WDV), (excluding change of method). Difference between SLM and WDV, Advantages of SLM and WDV.
- iv) Accounting treatment of depreciation : Charging to asset account, Creating provision for depreciation/accumulated depreciation account, treatment of disposal of asset.
- v) Provisions and Reserves : Difference, types of Reserves : (a) Revenue Reserve (b) Capital Reserve (c) General Reserve, (d) Specific Reserve (e) Secret Reserve, Difference between Capital and Revenue Reserve.

Unit-5 Bank Reconciliation Statement

i) Meaning, Need and Preparation, BRS with adjusted cash book.

Unit-6 Accounting for Bills of Exchange Transaction

- i) Bills of Exchange and Promissory Note: Definition, Feature, Parties, Specimen and Distinction.
- ii) Important Terms: Term of Bill, Days of Grace, Date of Maturity, Bill at Sight, Bill after Date, Negotiation, Endorsement, Discounting of Bill, Bill sent for collection. Dishonor, Retirement and Renewal of a Bill.
- iii) Accounting Treatment of Bill Transaction.

Note: Students may choose only one part from Part II and Part III.

PART -II

Unit-7 Financial Statements (without adjustments)

- i) Receipts and Expenditure: Revenue receipts and capital receipts. Capital expenditure, Revenue expenditure and deferred expenditure.
- ii) Objectives and importance.
- iii) Trading and profit and loss account : Gross profit, Operating profit and Net profit preparation.
- iv) Balance Sheet: Need, Grouping, Marshaling of Assets and Liabilities, Vertical Presentation of Financial Statement.

Unit-8 Financial Statements (with adjustments)

- i) Adjustments in Preparation of Financial Statements with respect to Closing Stock, Outstanding Expenses, Prepaid Expenses, Accrued Income, Income received in Advance, Depreciation, Bad Debts, Provision for Doubtful Debts, Provision for Discount on Debtors, Abnormal loss, Goods taken for personal use/staff welfare, Interest on capital, Interest on drawings and Managers Commission.
- ii) Preparation of Trading and Profit & Loss Account and Balance Sheet of Sole Proprietorship with adjustments.

Unit-9 Incomplete Records :

- i) Features, Reasons and Limitations.
- ii) Ascertainment of profit/loss by statement of affairs method.
- iii) Difference between accounts from incomplete records and statement of Affairs.
- iv) Preparation of trading, Profit and loss account and balance sheet.

PART-III

Unit-7 Computer in Accounting

- i) Introduction to Computer and Accounting Information System (AIS)
- ii) Introduction to computers (elements, capabilities, limitations of computer system).
- iii) Introduction to operating software, utility software and application software, Introduction to account information system (AIS) as a part of Management information system.

Unit -8 Automation of accounting process :

- i) Automation of Accounting Process: Meaning, Stages in automation :
 - (a) Accounting process in a computerized environment, comparison between manual accounting process and computerized accounting process.
 - (b) Sourcing of accounting software, kinds of software : Readymade software, customized software and tailor-made software; generic considerations before sourcing accounting software.
 - (c) Creation of account groups and hierarchy
 - (d) Generation of reports – trial balance, profit and loss account and balance sheet.

Unit-9 Accounting and Database System :

- i) Accounting and Database Management System.
- ii) Concept of Entity and Relationship: Entities and Relationships in an Accounting System: Designing and creating Simple Tables, Forms, Queries and Reports in the context of Accounting System.

Practical work

Practical work is for those students who choose Part-II of the syllabus.

Time: 1½Hours

Max Marks 15

1. The syllabus of project work is same as prescribed for the theory paper i.e. Part I and Part II.
2. Project Note book will consist of at least one comprehensive project and some short answer questions based on the prescribed syllabus.
3. Division of Marks:

1	Project Note Book	3 marks
2	Total five questions of 3 marks each will be set. The students are required to attempt any three	(3×3)=9 marks
3	Viva Voce	3 marks

Division of Marks for internal assessment

1	Book Bank	2 marks
2	Average of Periodic Tests	3 marks

Practical Work

Practical work is for those students who choose Part-III of the syllabus.

Time: 1½Hours

Max Marks :15

1. The syllabus of practical work is same as prescribed for the theory paper of part-III.
2. Practical Note book will consist of the entire practical performed in the computer laboratory based on the prescribed syllabus.
3. Division of Marks:

1	Practical Note Book	3 marks
2	The students are required to perform any three practical out of the given Five of 3markseach.	(3×3)=9 marks
3	Viva Voce	3 marks

Division of Marks for internal assessment

1	Book Bank	2 marks
2	Average of Periodic Tests	3 marks

CLASS - XI
MODERN OFFICE PRACTICE
(COMMERCE GROUP)

Time: 3 Hrs

Theory: 80 Marks
IA : 20 Marks
Total: 100 Marks

STRUCTURE OF QUESTION PAPER

1. The Question Paper will cover whole of the Syllabus.
2. 21 Questions will be set in the Question paper. Do any six questions from Section-C.
3. All units should be given adequate representation in the question paper.
4. The Question paper will have 4 sections i.e. A, B,C & D.

SECTION-A

5. Question No. 1 consists of 20 subparts carrying 1 mark each. Answer of each part should be given in 1-15 words. Objective type questions may include questions with one word or one sentence answer/fill in the blanks/true or false/multiple choice type questions. Two Questions will be set from each unit of the syllabus.

SECTION-B

6. Question No. 2 to 10 will carry 2 marks each. Question will be set as per unitwise distribution. Answer of these questions should be given in 5 to 10 lines.

SECTION-C

7. Question No. 11 to 18 will carry 4 marks each. Attempt any six questions from this section. Question will be set as per unitwise distribution. Answer of these questions should be given in 15 to 20 lines.

SECTION-D

8. Question No. 19 to 21 will carry 6 marks each with internal choice. Q.No.19 will be set from Units I to IV, with internal choice but not from same unit and Q.No. 20 will be set from Units V, VI and VII, with internal choice but not from same unit. Question No. 21 will be set from unit VIII to X with internal choice, but not from same unit. Each question will carry six marks each. Answer of these questions should be given in 3-4 pages of the answer book. Internal choice question will not be set from the same unit.

UNIT WISE DIVISION OF THE MARKS

Unit No.	Name of the Unit	1 Mark Questions	2 Marks Questions	4 Marks Questions (Do any six)	6 Marks Questions
UNIT:I	<ul style="list-style-type: none"> • The Modern Office • Functions of Office • Importance of an office 	2	1	1	1 (with internal choice but not from same unit)
UNIT: II	<ul style="list-style-type: none"> • Office Management • Departments of an Office • Office Manager 	2	1	1	
Unit: III	<ul style="list-style-type: none"> • Automation 	2	1	1	
Unit: IV	<ul style="list-style-type: none"> • Office Machines • Computer in Office 	2			

Unit:V	<ul style="list-style-type: none"> • Hardware and Software • M.S.Office • Scanning,Printing and Copying 	2	1	1	1(with internal choice but not from same unit)
Unit:VI	<ul style="list-style-type: none"> • Communication • Channels of Commication • Effective Commication -Role of Manager 	2	1	1	
Unit:VII	<ul style="list-style-type: none"> • Business Letters • E-mail 	2	1	1	
Unit:VIII	<ul style="list-style-type: none"> • Report writing • Telephone calls and video.Confarence 	2	1	1	1(with internal choice but not from same unit)
Unit: IX	<ul style="list-style-type: none"> • Record Management • Filing Methods of Documents 	2	1	1	
Unit:X	<ul style="list-style-type: none"> • Indexing • Micro filming and Data Storage Management 	2	1	1	
Total Marks		1×20=20	2×9=18	4×6=24	6×3=18
Grand Total of Marks 20+18+24+18=80					

SYLLABUS

Rationale

The main objective of the course in modern office practice is to make the students understand the concepts and principles of office methods and procedures and develop skills in performing office operations. This subject aims at making the students well conversant with the services provided by a modern office and enables them to perform the same using modern methods and equipments.

PART-1

- Unit-I** Introduction of Office: Meaning and Evolution of Modern Office, Functions of Office, Place of an Office in a Modern Business Organisation.
- Unit-II** Office Management: Concept of Office Management, Department of a Large Office, Role and Qualities of a Modern Office Manager.
- Unit-III** Automation: Meaning and Relevance of Office Automation.
- Unit-IV** Office Machines:, Types of Machines used in Office with Special Emphasis on use of Computers in Office.
- Unit-V** Hardware and Software (MS-Office-MS Word, MS Excel, MS Power Point and MS Outlook), Types and use of Printers, Scanners, Copiers and other Appliances.
- Unit-VI** Office Communications: Meaning and importance of Effective Communication, Principles of Communication, Channels of Communication, Role of Manager in Effective Communication.
- Unit-VII** Bussiness Letters Writing and E-mail Writing.

Unit-VIII Report Writing, Types of Phone Calls, Video Conferencing.

Unit-IX Office Record Management: Meaning and Features of Record Management, Filing: Characteristics of a good filing system; Classification of Records for Filing (Alphabetical, Numerical etc.), Modern Methods-Vertical, Horizontal, lateral and suspensions; Equipment; Types of Files; Filing routine, Disposal of Obsolete Documents.

Unit-X Indexing: Importance; Types-Page Index Card Index; Strip Index; Rotary Index, Micro Filing: Merits and Demerits; Types-Roll Film, Fiche, Jackets etc. Meaning of Electronic Filing, Data Storage Management.

STRUCTURE & DIVISION OF MARKS FOR INTERNAL ASSESSMENT

1	Practical	15 Marks
2	Book Bank	2 Marks
3	Avarage of Periodic Tests	3 Marks
	Grand Total	(15+2+3) Marks =20Marks

STRUCTURE OF PRACTICAL QUESTION PAPER

Time: 1½ Hours

Max. Marks: 15

1. Practical Note Book **3 marks**
2. Total five questions of 3 marks each will be set out of list prescribed for practical. The students are required to perform three practicals.
(3×3) =9 marks
3. Viva Voce **3 marks**

Syllabus (Practical)

List of Practicals

- Practical knowledge regarding basics of computers to be tested.
- Resume Writing
- Application for Vacant Post
- Operation of Scanners and Printers
- Photocopiers, Fax Machines and Other Office Appliances.
- Mail Merge.

**CLASS - XI
AGRICULTURE**

Time : 3 hrs
Time: 3 hrs

Theory: 70 Marks
Practical: 20 Marks
IA:10 Marks
Total:100 Marks

STRUCTURE OF QUESTION PAPER (THEORY)

The question paper is divided into four parts. There will be a total of 28 questions. The distribution of marks are as follows:

Part - I Question nos. 1 to 10 will be 1-1 mark each. These questions will be in the form of **very short answers / multiple choice answers / fill in the blanks / choose right or wrong statements**. All these questions will be compulsory.

Part - II Question nos. 11 to 20 will be 2-2 marks each. The answer to each question should be described in **20-30 words**. All these questions will be compulsory.

Part - III Question nos. 21 to 24 will be 4-4 marks each. The answer to each question should be described in **80-100 words**. All these questions will be compulsory.

Part - IV Question nos. 25 to 28 will be 6-6 marks each. The answer to each question should be described in **120-150 words**. There will be 100% internal choice. **The internal choice question will be from that unit.**

UNIT WISE DISTRIBUTION OF MARKS

Unit No.	1 Mark Questions	2 Marks Questions	4 Marks Questions	6 Marks Questions	Total
Unit - 1	3	3	1	1	19 Marks
Unit - 2	3	3	1	1	19 Marks
Unit - 3	2	2	1	1	16 Marks
Unit - 4	2	2	1	1	16 Marks
Total Marks	10	20	16	24	70
Total Questions	10	10	4	4	28

SYLLABUS (THEORY)

Unit - 1

SOIL AND SOIL MANAGEMENT

19 Marks

1. Elementary knowledge of rock and minerals, weathering of rocks, soil formation, soil profile, alkaline and acidic soils.
2. Elementary knowledge of soil texture and structure, properties of soil separates (sand, silt and clay), textural classification of soils, Structural classification of soil, soil tillage.

3. Elementary knowledge of water, importance of water in plant growth, various methods of irrigation and water lifts, used in Punjab.
4. Elementary knowledge of soil fertility- Factors affecting soil fertility. Methods of maintaining soil fertility. Organic manures (compost, F.Y.M., oil cakes and green manures) and inorganic fertilizers (nitrogenous, phosphatic and potassic and mixed fertilizers). Introduction to micronutrients.
5. Elementary knowledge of water logging-causes and remedies.
6. Elementary knowledge of tillage, implements used.

UNIT - 2

FARM CROP AND FARM MANAGEMENT (Elementary knowledge) 19 Marks

1. Classification of crops, rotation of crops, crop mixture.
2. Study of the following crops with respect to their climatic and soil requirements, area, preparation of seedbed, time of sowing, seed rate, manurial requirement, spacing, interculture, irrigation, important pest diseases, harvesting, threshing, yield etc.
 - (a) Wheat, barley, gram, toria, barseem, potato, peas, radish, carrot, turnip and onion.
 - (b) Cotton, maize, sugarcane, rice, groundnut, bajra, sorghum, brinjal, okra, cauliflower, gourd, melons, tomato, sunflower.
3. Fruit tree-Importance of fruits and irrigational requirements for growing, layout of orchards: Cultivation of mango, guava, grapes, citrus, ber and peaches, important pests and diseases of fruit and their control.
4. Common weeds of the Punjab and their control.
5. Farm Management-Study of farming as business, costs of farm operations of major crops; sowing, intercultural, harvesting and threshing, cost and income returns from major crops, simple farm records and accounts.

UNIT - 3

AGRICULTURE BIOLOGY – BOTANY 16 Marks

1. Biology-its definitions, comparison of living and non-living things, difference between animals and plants.
2. Cell-structure and cell division in plants, simple tissues in plants.
3. Elements of plant classification including major groups with common examples.
4. Study of the forms, structure and functions of root, stem, leaf and flower.
5. Vegetative reproduction-natural and artificial.
6. Seed structure of gram, pea, maize and castor and germination of seed. Conditions necessary for germination. Dispersal of seed.
7. Elementary study of bacteria and fungi and their economic importance.

UNIT - 4

AGRICULTURE BIOLOGY – ZOOLOGY 16 Marks

1. Study of animal cell-its structure and division of animals.
2. Study of simple tissues in animals.
3. Study of animal classification indicating major phyla with examples.
4. Protozoa-Study of Amoeba and Entamoeba.
5. Study of external characters of Liver fluke, Ascaris, Earthworm and their economic importance.
6. Study of general characters of insects with specific reference to the study of external characters of ak-grass hopper.
7. Study of external characters of frog, fish and rabbit.
8. Economic importance of mammals.

STRUCTURE OF QUESTION PAPER (PRACTICAL)

Time : 3 Hours

Marks: 20

1. The question paper will be set up by the examiner on the spot.
2. A group of students for practical should not be more than 20 students.
3. There will be two sections in the question paper. There will be 1-1 practical / activity from each section:
 - (i) **Soil and Crop Management Practices.**
 - (ii) **Agriculture Biology.**

The distribution of numbers is as follows:

- **2 practical / activities of 4-4 marks each. 8 Marks**
- **Practical note book, chart & other presentation. 4 Marks**
- **Viva-voce 4 Marks**
- **Identification of common weeds, crops and their seed and fruit trees, flowers, animals etc. 4 Marks**

SYLLABUS (PRACTICAL)

SOIL MANAGEMENT AND CROP CULTURE

1. Identification of soil by feel and touch method. Measurement of land.
2. Familiarity with farm implements and their handling, ploughing, preparation of seed-bed, sowing and harvesting of major field crops and vegetables and their harvesting.
3. Identification of common weeds, crops and their seed and fruit trees.

AGRICULTURE BIOLOGY

PART-A

General survey of plant kingdom, study of simple tissues of plant, structure and form of root, stem, leaf and flower. Demonstration of grafting, layering, budding, cutting,; Demonstration of studies of bacteria and fungi.

PART-B

1. General survey of animal kingdom.
2. Study of external characters of amoeba, liver fluke, ascaris, earthworm, ak-grass, hopper, frog, fish and rabbit.

Note: Students will do all the practical work of the farm attached to the school and record in the practical note book maintained for this purpose.