



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ

नांदेड- ४३१६०६ (महाराष्ट्र)

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY

NANDED-431606, MAHARASHTRA STATE, INDIA.

Established on 17th September 1994 - Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade



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मानवविज्ञान विद्याशाखेतील पदवी
स्तरावरील तृतीय वर्षाचे CBCS Pattern
नुसारचे अभ्यासक्रम शैक्षणिक वर्ष
२०१८-१९ पासून लागू करण्याबाबत.

प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, दिनांक १४ जून २०१८ रोजी संपन्न झालेल्या ४१व्या मा. विद्या परिषद बैठकीतील विषय क्र.११/४१-२०१८ च्या ठरावानुसार प्रस्तुत विद्यापीठाच्या संलग्नित महाविद्यालयांतील मानवविज्ञान विद्याशाखेतील पदवी स्तरावरील तृतीय वर्षाचे खालील विषयांचे C.B.C.S. (Choice Based Credit System) Pattern नुसारचे अभ्यासक्रम शैक्षणिक वर्ष २०१८-१९ पासून लागू करण्यात येत आहेत.

- १) इंग्रजी
- २) हिंदी
- ३) कन्नड
- ४) मराठी
- ५) पाली
- ६) संस्कृत
- ७) उर्दू
- ८) अर्थशास्त्र
- ९) भूगोल
- १०) इतिहास
- ११) सैनिकशास्त्र
- १२) तत्त्वज्ञान
- १३) राज्यशास्त्र
- १४) लोकप्रशासन
- १५) समाजशास्त्र

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी.

‘ज्ञानतीर्थ’ परिसर,

विष्णुपुरी, नांदेड - ४३१ ६०६.

जा.क्र.: शैक्षणिक-०१/परिपत्रक/पदवी-सीबीसीएस अभ्यासक्रम/
२०१८-१९/२५२

दिनांक : २५.०६.२०१८.

प्रत माहिती व पुढील कार्यवाहीस्तव :

- १) मा. कुलसचिव यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- २) मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- ३) प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.
- ४) उपकुलसचिव, पदव्युत्तर विभाग, प्रस्तुत विद्यापीठ.
- ५) साहाय्यक कुलसचिव, पात्रता विभाग, प्रस्तुत विद्यापीठ.
- ६) सिस्टम एक्सपर्ट, यू.जी.सी. कक्ष, प्रस्तुत विद्यापीठ.

स्वाक्षरित / -

उपकुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED**

SYLLABUS

GEOGRAPHY

B.A. THIRD YEAR

**SEMESTER PATTERN
(Choice Based Credit System)**

With Effect From: June, 2018

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

Choice Based Credit System (CBCS) Course Structure

Subject-Geography

B.A. Third Year (New Pattern)

With effect from: June, 2018

Semester	Core Course	Paper No.	Name of the Paper	Lectures/Week	Total No. of Lect.	CA	ESE	Total Marks	Credits
V	DSE GEOG-I	XIII	Development of Geographical Thought – Part- I OR Agricultural Geography	04	60	10	40	50	02
V	GE GEOG-I	XIV	Geography of India – Part- I	04	60	10	40	50	02
V&VI	DSE GEOG-II	XV	Practical Geography XV-Projections XVIII-Surveying	3+3 (Per Batch)	90 (45+45)	10	40	50	02
V	SEC	III	An Introduction to Research Methodology OR Watershed Management	03	45	25	25	50	02
Semester - V Total				17	255	55	145	200	08
VI	DSE GEOG-III	XVI	Development of Geographical Thought – Part II OR Political Geography	04	60	10	40	50	02
VI	GE GEOG-II	XVII	Geography of India – Part II	04	60	10	40	50	02
V&VI	DSE GEOG-IV	XVIII	Practical Geography XV-Statistical Methods XVIII-Application of Computer and GIS in Geography	3+3 (Per Batch)	90 (45+45)	10	40	50	02
VI	SEC	IV	Disaster Management OR Interpretation of Aerial Photography and Satellite Imagery	03	45	25	25	50	02
Semester – VI Total				17	255	55	145	200	08

(CC= Core Course, CA= Continuous Assessment (Internal), ESE= End Semester Examination).

Note:

1. *Total working days in a semester are 90*
2. *Total working weeks in a semester are 15*
3. *Continues Assessment for each paper = 10 Marks*
4. *End Semester Examination for each paper = 40 Marks*

INSTRUCTIONS:

1. Teaching workload shall be of four periods per week for each theory paper and six periods (03+03) per week for practical.
2. Strength of students for each practical batch shall not be more than 15 (fifteen).
3. Students shall not be allowed for practical examination without certified journal (Practical Book).
4. Total periods for each theory paper shall be 60 per semester.
5. Total periods for each practical paper of 50 marks shall be 90 per year per batch.
6. Practical examination will be held at the end of the academic year (May be in February/March for both paper i.e. paper no. XV and XVIII).
7. CA (Continuous Assessment) Pattern for each paper (including practical paper) - one test and one home assignment of 5 marks each.

B. A. Third Year
Semester-V
DSE GEOG-I, Paper No.-XIII
Development of Geographical Thought-Part-I

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with development of geographical thoughts from ancient to modern times. To know the development of various branches of human and physical geography

Utility

1. To help students to know the evolution of geographical knowledge which helps them in analyzing, planning and prediction of various geographical aspects

Learning Objectives

1. To develop the skills among the students to imbibe the classical knowledge and its applicability in the present world
2. To know the contribution of geographers across the globe to the development of geography

Pre-requisites

1. Books, Maps, Globe, Models
 2. ICT
-

Unit-I A Brief History of Geographical Thought

20 Periods

1. Greek: Aristotle and Eratosthenes
2. Roman: Strabo and Ptolemy
3. Arab: Al-Biruni and Al- Idrisi
4. India: Aryabhat, Varhamir, Brahmgupta and Bhaskaracharya,

Unit-II Contribution of Modern Geographers

20 Periods

1. British: Halford John Mackinder and Sir Dudley Stamp
2. German: Alexander Von Humboldt and Carl Ritter
3. French: Vidal-de-la-Blache and Jean Brunches
4. American: W.M. Davis and Richard Hartshorne

Unit-III Major Concepts in Geography

20 Periods

1. Determinism
2. Possibilism
3. Neodeterminism

Suggested Reading:

- 1) Adhikari Sudeepta : Fundamentals of Geographic Thought-
Chaitanya Publishing House, Allahabad
(1972)
- 2) Dickinson, R.E. : The Makers of Modern Geography Routledge &
Keganpaul, London (1969)
- 3) Dixit R.D. (1999) : Development of Geographic Thought Longmans
India Limited. 1999.
- 4) Free Man. T.W. : Geography as Social Science, Harper
International Edition, Harper & Row Publishers, New
York (1965).
- 5) डॉ.कौशिक : भौगोलिक विचारधाराएँ एवं विधीतंत्र
- 6) डॉ.मामोरिया एवं जैन : भौगोलिक चिंतन एवं तीन दक्षिणी महाद्विप
- 7) डॉ.बी.जी.वेळापूरकर : भौगोलिक विचारधाराचा विकास
डॉ.के.बी.कनकुरे : संध्या प्रकाशन, उदगीर जि.लातूर
डॉ.एच.बी.राठोड
प्रा.वसंत उगाडे
- 8) डॉ.के.बी.कनकुरे : भौगोलिक संकल्पना, अरूणा प्रकाशन, लातूर
डॉ.मानकरी
संतोष मंगनाळे
- 9) सु.द.शिंदे : आधुनिक भूगोलाचा विकास
- 10) मोहन गुळवे : राजकीय भूगोल, कैलास पब्लिकेशन औरंगाबाद

B. A. Third Year
Semester-V
DSE GEOG-I, Paper No.-XIII
Agriculture Geography (Or Paper)

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with knowledge of origin and evolution of agriculture in different parts of the world and their limitations

Utility

1. To know the various agricultural determinants, land capability and crop suitability in different parts of the world

Learning Objectives

1. To know the major agricultural issues in India and to develop strategy to solve them
2. To know the different agricultural theories and their applicability in the present times

Prerequisites

1. Books, Maps, Globe,
 2. ICT
-

Unit I Introduction

15 periods

1. Definition, nature and scope of agricultural geography
2. Approaches to study agricultural geography.
3. Origin and evolution of agriculture

Unit II Agricultural Determinants

15 periods

1. Determinants of Agricultural Landuse
2. Physical determinants
3. Socio-economic determinants
4. Technological determinants

Unit III Agricultural Regionalization and Theory

15 periods

1. Methods of agricultural regionalization, crop concentration, crop diversification, agricultural productivity.
2. Von-Thunen's Theory of agricultural location
3. Recent modification in Von-Thunen's model

Unit IV Major issues in Indian Agriculture

15 periods

1. Green revolution
2. White revolution
3. Environmental degradation

Suggested Reading:

- 1) Symons : Agricultural Geography
- 2) Morgan & Munton : Agricultural Geography
- 3) Mamoria C.B. : Geography of India
- 4) Noor Mohammad : Perspective in Agricultural Geography
- 5) Majid Husain : Agricultural Geography
- 6) Dr.Jainendra Kumar : Landuse Analysis
- 7) Patil B.A. : Horticulture
- 8) तिवारी सिंह : कृषी भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद
- 9) चंद्रशेखर यादव : कृषी भूगोल, विश्वभारती पब्लिकेशन, नई दिल्ली
- 10) नेगी बी.एस. : संसाधन भूगोल, केदारनाथ-रामनाथ, नई दिल्ली
- 11) दाते -सौ.दाते : सुगम शेती भूविज्ञान
- 12) देशमुख पी.जी. : भारतीय फळझाडांची लागवड
- 13) सवदी-केचे : कृषी भू-विज्ञान
- 14) फुले सुरेश : कृषी भूगोल

B. A. Third Year
Semester-V
GE GEOG-I, Paper No.-XIV
Geography of India Part-I

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with location and physical settings of India and to understand the significance of unity in the diversity
2. To acquaint the students with regional knowledge of India

Utility

1. To appreciate the regional diversity and to develop acclimatizing temperament among the students

Learning Objectives

1. To know the physical regions, climatic regions and natural resources of India
2. To bring awareness among the students for judicious and optimum use of natural resources and adherence to sustainable development

Pre-requisites

1. Books, Maps, Charts, Models
 2. Field visits
 3. ICT
-

Unit I Location and Physical Regions and Drainage

20 Periods

1. India in the context of south-east & south Asia
2. India a land of diversities; unity within diversity
3. Physical regions of India
4. Drainage systems of India

Unit II Climate and Climatic Regions

20 Periods

1. Regional and seasonal variations of climate
2. The monsoon, western disturbance, nor-westers
3. Climatic regions of India according to Koppen

Unit III Natural Resources

20 Periods

1. Soil types and their characteristics and distribution
2. Vegetation types and their distribution
3. Forests, water, minerals and power resources-the status of their use and need for conservation.

Suggested Readings:

1. Deshpande, C.D. : India : A Regional Interpretation, Northern Book Center, New Delhi 1992.
2. Farmer, B.H. : An introduction to South Asia Methuen, London, 1983.
3. Govt. of India : India-References Annual 2001, Pub.Div., New Delhi, 2001.
4. Govt. of India : National Atlas of India NATMO Publications, Calcutta.
5. Govt. of India : The Gazetteer of India, Vol.1 & 3 Publication Division, New Delhi, 1965.
6. Learmonth, A.T.A. : Man and Land of South Asia, Concept, New Delhi.
7. Mitra, A. : Levels of Regional Development in India-Census of India-Vol.2 (A) (1) & (2) New Delhi, 1987.
8. Routray, J.K. : Geography of Regional Disparity, Asian Institute of Technology, Bangkok, 1993.
9. Shafi, M. : Geography of South Asia- Mc Millan & Co. Calcutta, 2000.
10. Singh R.L. : Indian : A Regional Geography : National Geographical Society India, Varanasi, 1971.
11. Spate, OHK & Learmonth A.T.A. : India & Pakistan – Land People & Economy-Methuen & Co.London, 1967
12. Wadia, D.N. : Geography of India- McMillan & Co.London.
13. Sharma T.C. : Economic & Commercial Geography of India – Vikas Publication House, New Delhi
14. डॉ.एस.टी.शेटे : भारताचा भूगोल, अभिजीत प्रकाशन, लातूर
डॉ.के.बी.कनकुरे व इतर
15. केचे पांडूरंग : भारताचा भूगोल, पिंपळापूरे प्रकाशन, औरंगाबाद.

**B. A. Third Year
Semester-V & VI
DSE GEOG-II, Paper No.-XV
Practical Geography**

Marks: 50

Credits: 02

Periods: 45

Salient Features

1. The aim of this course is to introduce the students with knowledge of making of Projections
2. To know the characteristics and uses of different projections

Utility

1. To know the use of particular projection for making particular map

Learning Objectives

1. To know the skills of construction of projection and map making
2. To use different projections for the representation of different parts of the globe

Pre-requisites

1. Books, Maps, Globe
2. Geometry box, ICT

Paper XV - Projections

Unit I Introduction

25 Periods

Projection, Definition, Classification and construction (By Graphical method only).

Properties and use of the following projections.

Unit II Zenithal Polar Gnomonic Projection

Zenithal Polar equal area Projection

Unit III Conical Projection with one Standard Parallel.

Bonne's Projection

Unit IV Cylindrical Equal area Projection

Mercator's Projection

Paper XVIII - Surveying

20 Periods

Unit I Chain-tape Survey-open and close traverse.

Unit II Plane table survey-intersection method-open and close traverse.

Unit III

1. Prismatic compass survey-open and close traverse.
2. Bowditch's method with correction of bearing.
3. Conversion of bearing. Whole circle bearing to Quadrant bearing & Vice versa.

Suggested Reading:

- 1) Sing and Singh : Mapwork and Practical Geography
- 2) Singh L. & Dutta P.K. : Elements of Practical Geography-
Kalyani Publishers, New Delhi 1979.
- 3) Hammod & Mc Gullah : Quantitative Techniques in Geography
- 4) Croxton & Cowden : Applied General Statistics
- 5) Sarkar, A. : Practical Geography – A Systematic
Approach – Orient Longman Calcutta,
1997.
- 6) Khan Z.A. : Text Book of Practical Geography
- 7) डॉ.नागतोंडे / डॉ.लांजेवार : नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र, पिंपळापूरे अँड कं.
पब्लिशर्स, नागपूर.
- 8) महाजन वाय.आर. : सांख्यिकी, पिंपळापूरे प्रकाशन,नागपूर
- 9) डॉ.कनकूरे, डॉ.मानकरी/रमेश मुगावे : प्रात्यक्षिक भूगोल, अरूणा प्रकाशन, लातूर.
- 10) जे.पी. शर्मा : प्रात्यक्षिक भूगोल,
रस्तोगी प्रकाशन, मेरठ
- 11) हिरालाल यादव : प्रात्यक्षिक भूगोल

B. A. Third Year
Semester-V
SEC-III
An Introduction to Research Methodology

Marks: 50

Credits: 02

Periods: 45

Salient Features

1. The aim of this course is to introduce the students with basic nature of research methodology
2. To develop skills of research report writing

Utility

1. To enable students with the basic idea of data collection, analysis and interpretation skills

Learning Objectives

1. To develop the temperament among the students to study the subjects in a systematic and scientific way

Pre-requisites

1. Books, Maps, Charts
 2. Field survey and ICT
-

Unit-I Introduction

15 Periods

1. Definition, Nature, Scope and Significance of research and Types of Research
2. Geographical Enquiry

Unit-II Data Collection

15 Periods

1. Importance of data in research. Types and Sources of Data
2. Methods of Collection of Data: Primary and Secondary
3. Data Analysis and Data Representation Techniques: Statistical and Cartographic Techniques

Unit- III Structure and Preparation of Research Report

15 Periods

1. Selection of Topic, Statement of Problem, Review of Literature, Objectives, Methodology,
2. Data Collection and Analysis, Conclusion and Suggestions
3. Reference, Bibliography, Annexure

Suggested Reading:

1. Ghosh B. N. "Scientific Method and Social Research", Sterling Publishers Pvt. Ltd. 1987
2. Kothari, R C., "Research Methodology, Methods and Techniques", New Delhi: New Age International Publishers, 2012
3. William J. Doode and Paul K. Hatt., "Methods in Social Research" McGrawHill Book Company, 1981
4. डॉ. प्रदीप आगलद्वे, संशोधन पद्धतीशास्त्र व तंत्रे
5. डॉ नीलम धुरी, संशोधन पद्धती, फडके प्रकाशन, कोल्हापूर 2008
6. सदाकरहळे, संशोधन सिद्धांत आणि पद्धती

B. A. Third Year
Semester-V
SEC-III
Watershed Management (Or Paper)

Marks: 50

Credits: 02

Periods: 45

Salient features

1. Watershed management is need of the time. It is useful to conserve soil moisture, to recharge the aquifers, to control soil erosion, it acts as a drainage channel during heavy rains and allows percolation

Utility

1. It will help to increase agriculture land and agriculture produce, to conserve the wild life, grassland, forestry, to maintain environmental balance and to eradicate draught prone areas

Objectives

1. To manage and utilize the runoff water, to protect, conserve and improve the land of watershed, to moderate the floods peaks at down stream area, to rehabilitate the water supply schemes in rural areas and to create water balance sheet for rural area

Pre-requisites

1. Books
 2. Maps, Models,
 3. Field Visit and ICT
-

Unit I Introduction and Concept of Watershed Management

10 Periods

1. Definition, aims and objectives of watershed management
2. Need for watershed management.
3. Principles of watershed management.
4. Types and properties of watershed
5. Factors affecting on watershed management
6. Integrated and multidisciplinary approach for watershed management.

Unit II Soil Erosion and Control Measures

10 Periods

1. Definition and types of Soil erosion
2. Factors affecting on soil erosion
3. Measures to control erosion
 - a) Agronomical control erosion
 - b) Engineering control erosion

Unit III Techniques in Watershed Management

10 Periods

1. Grassland development
2. Gully plugs
3. Tree plantation
4. Contour bunding
5. Land leveling
6. Water conservation structures
7. Jalyukt shivar

Unit IV Water Harvesting, Water budgeting, Model Village and Schemes

15 Periods

1. Importance, significance and methods of Rainwater Harvesting
2. Importance, significance and methods of Ground water harvesting
3. Model Village
4. Water budgeting and funding
5. Schemes of central and state Government for watershed management
6. Visit- To watershed projects Rain water harvesting projects, Jalyukta shivar

Suggested Reading:

1. Allam, Gamal Ibrahim Y., Decision Support System for Integrated Watershed Management, Colorado State university, 1994.
2. American Society. Of Civil Engr., Watershed Management, American Soc. Of Civil Engineers, New York, 1975.
3. Black Peter E., Watershed Hydrology. Prentice Hall, London, 1991.
4. Michael A.M. Irrigation Engineering, Vikas Publishing House, 1992.
5. Murty, J.V.S. "Watershed Management", New Age Intl., New Delhi 1998.
6. Murthy, J.V.S., Watershed Management in India, Wiley Eastern, New Delhi, 1994.
7. Purandare, A.P., Jaiswal A.K., Watershed Development in India, NIRD, Hyderabad, 1995.
8. Vir Singh, Raj, Watershed Planning and Management, Yash Publishing House, Bikaner, 2000.
9. महाराष्ट्रातील जलसंपदा- प्रा. डॉ. एस.व्ही. ढमढेरे-डायमंड पब्लिकेशन,पुणे.
10. पाणलोट विकास विस्तार प्रकल्प -टी. एस. खुरपे/ शिवाजी ठोंबरे, कॉन्टिनेन्टल प्रकाशन, विजयानगर, पुणे.
11. पर्यावरणशास्त्र – (दूसरी आवृत्ती) ए.बी. सनदी, पी.एस. कोळेकर, निराली प्रकाशन,पुणे.

B. A. Third Year
Semester-VI
DSE GEOG-III, Paper No.-XVI
Development of Geographical Thought-Part-II

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with concepts like region and spatial organization, and various approaches in the study of geography and need for models in geography

Utility

1. To enable students to study, understand and examine the existing concepts, approaches and models in geography and evolve with new concepts and approaches.

Learning Objectives

1. To develop the skills among the students to apply approaches and models of geography to the real world problems.
2. To know the contribution of geographers across the globe to the development of geographical concepts, theories and models,

Pre-requisites

1. Books, Maps, Globe,
 2. ICT
-

Unit I Concepts in geography

15 Periods

1. Concept of region
2. Concept of Spatial organization

Unit II Approaches in Geography

25 Periods

1. Systematic Approach
2. Regional Approach
3. System Approach
4. Quantitative Approach
5. Behavioral Approach
6. Radical Approach

Unit III Models in Geography

20 Periods

1. Models in Geography: Significance, need, features and general classification of models.

Suggested Reading:

- 1) Lawarence, G.R.P. : Cartographic Methods, Methuen London,1968.
- 2) Monkhouse, F.H. & Winkinson, H.r. : Maps and diagrams -, Methuen London,1994.
- 3) Rabinson, A.H. : Elements of Cartography-John Wiley and Sons U.S.A. 1995.
- 4) Archer, J.E. & Daltan, T.H. : The Fieldwork in Geography Batsford Limited London, 1968.
- 5) Steers, J.A. : Maps Projections, University of London Press, London.
- 6) डॉ.मामोरिया एवं जैन : भौगोलिक चिंतन एवं तीन दक्षिणी महाद्विप
- 7) डॉ.बी.जी.वेळापूरकर : भौगोलिक विचारधाराचा विकास
डॉ.के.बी.कनकुरे : संध्या प्रकाशन, उदगीर जि.लातूर
डॉ.एच.बी.राठोड
प्रा.वसंत उगाडे
- 8) डॉ.के.बी.कनकुरे : भौगोलिक संकल्पना, अरूणा प्रकाशन, लातूर
डॉ.मानकरी
संतोष मंगनाळे
- 9) सु.द.शिंदे : आधुनिक भूगोलाचा विकास
- 10) मोहन गुळवे : राजकीय भूगोल, कैलास पब्लिकेशन औरंगाबाद

B. A. Third Year
Semester-VI
DSE GEOG-III, Paper No.-XVI
Political Geography (Or Paper)

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with knowledge of political geography, recent development and its significance in present scenario

Utility

1. To enable students to study, understand the themes like nation- state, state and nation building and their significance in current times

Learning Objectives

1. To make students acquaint with the concepts like frontier, boundaries and core areas and their importance in international relations
2. To know the strategic views and importance of political geographers in terms of global security, hegemony and power balance

Pre-requisites

1. Books, Maps, Globe,
 2. ICT
-

Unit I Introduction

15 Periods

1. Definition, nature and scope of political geography.
2. Recent development of political geography.
3. Significance of Study of political geography.

Unit II Geographic elements of the state

15 Periods

1. Physical elements
2. Cultural elements
3. Economic elements

Unit III Themes in political Geography

15 Periods

1. State, nation, nation-state and nation building
2. Frontier, boundaries and core areas.
3. Capitals: classification and function.

Unit IV Global strategic views

15 Periods

1. A.T. Mahan's Sea Base Power
2. Halford Mackinder's Heartland Theory
3. Spykman's Theory of Rimland

Suggested Readings:

- 1) Wighert, W.H. & Others : Elements of Political Geography –
Appleton Century Crofts Inc. New York.
- 2) Prescott, J.R.V. : Political Geography, Methuen, London
- 3) Muir, R. : Modern Political Geography, McMillan,
London.
- 4) भट्टाचार्य-आच्छा : राजनीतिक भूगोल, राजस्थान हिंदी ग्रंथ अकादमी, जयपूर
- 5) सक्सेना : राजनीतिक भूगोल - रस्तोगी पब्लिकेशन, मेरठ
- 6) मगर जयकुमार : राजकीय भूगोल, विद्या प्रकाशन, नागपूर
- 7) मोहन गुळवे : राजकीय भूविज्ञान, कैलास पब्लिकेशन औरंगाबाद
- 8) भागवत अ.वि. : राजकीय भूगोल
- 9) वेळापूरकर, कणकुरे, राठोड, उगाडे : भौगोलिक विचारधारा, अभिजीत पब्लिकेशन, लातूर

B. A. Third Year
Semester-VI
GE GEOG-II, Paper No.-XVII
Geography of India Part-II

Marks: 50

Credits: 02

Periods: 60

Salient Features

1. The aim of this course is to introduce the students with different socio-economic aspects of India
2. To make brief up the students with regional knowledge of India

Utility

1. To enable students to know the socio economic aspects and their regional variations in planning and development

Learning Objectives

1. To develop a sense of regional understanding and cooperation
2. To channelize the thought process of the students for planning and balanced regional development for harmonious coexistence

Prerequisites

1. Books, Maps and Charts
 2. ICT
-

Unit-I Population

10 Periods

1. Spatial distribution of population and density. Factors affecting on distribution and density of population
2. Socio-economic implications of population explosion

Unit-II Agriculture

15 Periods

1. Agricultural regions of India and important crops of the region
2. Green revolution and regional disparity in agricultural growth
3. Impact of globalization on Indian agriculture

Unit-III Industries and Trade

10 Periods

1. Industrial regions of India
2. Industrial development and Indian economy
3. Composition of domestic and international trade

Unit-IV Settlement

10 Periods

1. Growth of urbanization in India, problems and planning
2. Rural settlement pattern and morphology in India

Unit-V Contemporary Issues

15 Periods

1. Indicators of regional disparity in socio economic development
2. Poverty and food security
3. Gender discrimination and women empowerment
4. Globalization

Suggested Reading:

1. Bhatt, M. S. : Poverty and Food Security in India: Problems and Policies, Aakar Press, Delhi, 2004
2. Deshpande, C.D.: India: A Regional Interpretation, Northern Book Centre, New Delhi 1992
3. Farmer, B. H.: An Introduction to South Asia, Methuen, London,1983
4. Govt. of India: India-References Annual 2011, Pub. Div. New Delhi, 2011
5. Govt. of India: National Atlas of India, NATMO Publications, Kolkata
6. Hussain, Majid,: Geography of India, McGraw Hill Education (India) Chennai Pvt. Ltd. 2018
7. Learmonth, A. T. A. Man and Land of South Asia, Concept, New Delhi
8. Mitra, Ashok: Levels of Regional Disparity in India- Census of India- Vol-2 (A) (1) & (2) New Delhi,1987
9. Routray, J.K.: Geography of Regional Disparity Asian Institute of Technology, Bangkok,1993
10. Sharma, T.C.& Coutino : Economic and Commercial Geography of India, Vikas Publication House, New Delhi,
11. Spate, OHK & Learmonth, A. T. A.: India and Pakistan- Land, People and Economy, Methuen & Co. London,1967
12. Swaminathan, M. S.: 50 years of Green Revolution: An Anthology of Research Papers, World Scientific Publishing Co. Pvt. Ltd. 2017
13. Wadia, D. N.: Geography of India- McMillan 7 Co. London
14. डॉ एस टी शेते, डॉ. के. बी. कनकुरे, आणि इतर, भारतखण्डभूगोल, अभिजित प्रकाशन, लखनऊ
15. केचे पांडुरंग : भारतखण्डभूगोल , कैलास प्रकाशन ,औरंगाबाद

**B. A. Third Year
Semester-VI &V
DSE GEOG-IV, Paper No.-XVIII
Practical Geography**

Marks: 50

Credits: 02

Periods: 45

Salient Features

1. To acquaint students with different methods of surveying and their use measurement and planning of landuse
2. To promote the use of computer and GIS skills in the study geography among the students for surveying and planning

Utility

1. The course will help the students to develop surveying skills, and their application in land measurement and planning

Learning Objectives

1. To make students acquaint with the basic concepts of different survey methods and their use in the field
2. To develop the skills of village survey and report writing

Pre-requisites

1. Books, Maps, Globe,
 2. ICT
 3. Field visit and survey
-

Paper XV - Statistical Methods

Unit I	Measurement of central tendencies	15 Periods
	Mean, Median and Mode in Simple, Discrete and Continuous series.	
Unit II	Measurement of Deviations	15 Periods
	Measurement of Deviations - Quartile, Mean and Standard deviation and their co-efficient, in Simple, Discrete and Continuous series.	

Paper XVIII- Application of computer and GIS in Geography

Unit I	Application of Computer in geography	05 Periods
Unit II	Concept of GIS and its application in geography	05 Periods
Unit III	Excursion or village survey report or part of city or Town survey report	05 Periods

Suggested Reading:

- 1) Sing and Singh : Mapwork and Practical Geography
- 2) Singh L. & Dutta P.K. : Elements of Practical Geography-
Kalyani Publishers, New Delhi 1979.
- 3) Hammod & Mc Gullah : Quantitative Techniques in Geography
- 4) Croxton & Cowden : Applied General Statistics
- 5) Sarkar, A. : Practical Geography – A Systematic
Approach – Orient Longman Calcutta, 1997.
- 6) Khan Z.A. : Text Book of Practical Geography
- 7) डॉ.नागतोंडे / डॉ.लांजेवार : नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र, पिंपळापूरे अँड कं.
पब्लिशर्स, नागपूर.
- 8) महाजन वाय.आर. : सांख्यिकी, पिंपळापूरे प्रकाशन,नागपूर
- 9) डॉ.कनकूरे, डॉ.मानकरी/रमेश मुगावे : प्रात्यक्षिक भूगोल, अरूणा प्रकाशन, लातूर.
- 10) जे.पी. शर्मा : प्रात्यक्षिक भूगोल,
रस्तोगी प्रकाशन, मेरठ
- 11) हिरालाल यादव : प्रात्यक्षिक भूगोल

B. A. Third Year
Semester-VI
SEC-IV
Disaster Management

Marks: 50

Credits: 02

Periods: 45

Salient Features

1. The aim of this course is to introduce the students with few basics of Aerial Photography and Remote Sensing
2. To develop skills of interpretation of aerial photographs and satellite imageries

Utility

1. To make use of interpretation skills of aerial photographs and satellite imageries in understanding and analyzing the physical and human world

Learning Objectives

1. To keep students abreast with recent developments in geoinformatics
2. To help students to make use of interpretation skills in decision making and planning for the benefit of society

Pre-requisites

1. Aerial Photographs and Satellite Imageries
 2. Pocket and /or Prism stereoscope
 4. Field visit and ICT
-

Unit I Introduction

10 Periods

1. Meaning, nature, scope and types of disaster
2. Disaster Management Act-2005, Government of India.
3. Yokohama strategy -1994
4. Functionings of centre, state and District disaster management departments

Unit II Disaster Management

08 Periods

1. Disaster management plan
 - a. Pre-Disaster management
 - b. During disaster management
 - c. Post disaster management
2. Application of Remote sensing and GIS for disaster management

Unit III Role of Agencies in Disaster Management

10 Periods

The role of various departments in disaster management-ISRO, Police, Revenue, Fire, PWD, Irrigation, School & Colleges, Health, Z.P., Municipal council, Corporation and Village.

Unit IV Training Centers for Disaster Management**09 Periods**

Disaster management and training centers: Government Private, N.C.C., N.S.S., NGOs, Police, N.D.R.F., and Paramilitary force, Defense wings (Air force, Army and Navy)

Unit V Role of Media in Disaster Management**08 Periods**

The role of Media in disaster management: Social Media, Print Media, Electronic Media, All India Radio, Common people and Government GR

Suggested Reading:

1. P. P. Marathe: Practical Disaster Management, Diamond Publication, Pune
2. Dr. Akhilesh K. Pande: Disaster Management, Damini Garg for Murari Lal & Sons, New Delhi.
3. Anu Kapur : Disaster in India: Studies of Grim Reality, Rawat Publication, Jaipur.
4. R. B. Singh: Natural Hazards and Disaster Management (Vulnerability and Mitigation), Rawat Publication, Jaipur.
5. K. C. Samal, S. Meher, N. Panigrahi and S. Mohanty: State ,NGOs and Disaster Management, Rawat Publication, Jaipur.
6. Paranjape H. K: The Bhopal's Gas Disaster: A Chronology of Principal Events in the Bhopal Gas Disaster Litigation, Janta.
(Marathi references 10th)

Websites

<https://www.ndma.gov.in>

<https://www.nidm.gov.in>

<http://www.en.m.wikipedia.org>

<http://www.ndmindia.nic.in>

<http://www.aidmi.org>

<http://www.nhp.gov.in>

<https://www.maharashtra.gov.in>

B. A. Third Year

Semester-VI

SEC-IV

Interpretation of Aerial Photographs and Satellite Imagery (Or Paper)

Marks: 50

Credits: 02

Periods: 45

Silent Features

1. The aim of this course is to introduce the students with few basics of Aerial Photography and Remote Sensing
2. To develop skills of interpretation of aerial photographs and satellite imageries

Utility

1. To make use of interpretation skills of aerial photographs and satellite imageries in understanding and analyzing the physical and human world

Learning Objectives

1. To keep students abreast with recent developments in geoinformatics
2. To help students to make use of interpretation skills in decision making and planning for the benefit of society

Pre-requisites

1. Aerial Photographs and Satellite Imageries
2. Pocket and /or Prism stereoscope
3. Geometry box

Unit-I Introduction

15 Periods

1. Definition and Development of Remote Sensing
2. Meaning of Platform and Their Types
3. Electromagnetic Spectrum
4. Sensors

Unit-II Aerial Photographs and Satellite Imageries

15 Periods

1. Concept of Aerial Photographs and Satellite Imageries
2. Scale of Aerial Photograph and Satellite Imagery
3. Types of Aerial Photographs
4. Types of Satellite Imageries

Unit- III Interpretation of Aerial Photographs and Satellite Imageries

15 Periods

1. Basic Principles of Interpretation
2. Elements of Interpretation

Suggested Reading:

1. George Joseph,(2005): Fundamentals of Remote Sensing, University Press Pvt. Ltd. Hyderabad
2. Lillesand , T.M. and Kiefer, R.W. (1994): Remote Sensing and Image Interpretation, Wiley Publication, New York
3. M. Anji Reddy,(2001): Text book of Remote Sensing and Geographical Information System, B.S. Publication, Hyderabad
4. पेशववि. वि. (१९९०) : दूरसंवेदन, मराठी विज्ञान परिषद प्रकाशन, पुणे
5. डॉ. श्रीकांत कार्णेकर (२००६): दूरसंवेदन, डायमंड पब्लिकेशन, पुणे

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