

Vocational Curriculum – 2012

(With effect from the academic year 2012-2013)

Curriculum of Intermediate Vocational Course In DENTAL HYGIENIST



State Institute of Vocational Education

**O/o the Commissioner of Intermediate Education,
Andhra Pradesh, Hyderabad**

&

**Board of Intermediate Education,
Andhra Pradesh, Hyderabad**

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INTRODUCTION

The Dental Hygienist course is started in the year 1980 at Govt City Jr. College Hyderabad with GDC & H (Govt Dental College &Hospital)as the coordinating college .

The Dental College & Hospital are recognized by the DCI(Dental Council of India)& It has the following requirements according to DCI norms.

1. Nine Specialty Departments
2. Emergency clinic
3. Well Established Library
4. Well furnished lecture halls
5. Sufficient equipment & infrastructure
6. Experienced and qualified teaching staff
7. Clinical & pre-clinical Labs
8. Sufficient number of patients

Because of the availability of above requirements D.T &D.H Courses are run at Govt Dental College & Hospital

The pass outs are recognized by The Dental Council of India. Without the recognition from DCI the candidate is not eligible to work

Dental Hygienist is a well trained auxillary member of the dental health team, who is trained to assist a Dental Surgeon in various dental procedures as well as to promote dental health care in the society.

The profession cannot fulfill its responsibilities without the help of the dental health team, especially a Dental Hygienist.

II. Objectives of the Course

The objective of this course is to help and prepare students for future role in health Care by introducing a flexible approach towards patient care

The aim of this course is to aid in educating and training the Dental Hygienist to work under the supervision of a qualified dental surgeon .in order to ease the work and make it more rewarding and to prepare the hygienist to assume his /her position in the dental health team and make it possible for dental profession to provide the necessary health care for the people of our nation.

A Dental Hygienist must be trained according to the changing techniques he/she should have thorough knowledge about the latest treatment procedures & sophisticated equipments.

III. SKILLS TO BE PROVIDED

A Dental Hygienist is an auxillary member of the "Dental health team" .Who after attaining the qualification register his or name with the Dental Council of India and becomes eligible under the supervision of a qualified dentist and to perform professional patient services.

These Clinical services include:

1. Scaling
2. Polishing of teeth
3. Application of flurides
4. Taking medical and Dental histories
5. Processing and developing dental radiographs.
6. Performing oral diagnostic tests.
7. Interpretation of the case to the dentist
8. Mixing of filling materials
9. Mixing of impression materials
10. Preparing models
11. Conducting Dental Health Camps.
12. Assisting the dental Surgeon.
13. Post Operative care of patient.
14. Provide oral health care instructions to the patients.
15. Assisting the dental Surgeon during implant placement.
16. Home care after Implant placement.

IV. JOB OPPURTUNITIES

WAGE EMPLOYMENT:

As per the G.O.M.S.No-428 (Edn.)Dt.23-9-1985.The pass outs in D.H. Course are eligible to seek employment as

1. Dental Hygienist in Medical and Health Department.
2. Government Dental Colleges and Hospitals.
3. They can work as Dental Hygienist in other Countries.
4. They can work as Dental Assistants in corporate Dental Hospitals and in private dental clinics.
5. A Dental Hygienist is an important team member his/her services are required in every Department of the Dental Hospital.

SELF EMPLOYMENT:

There are no chances of self employment for a Dental Hygienist. He cannot set up his own dental practice. She/He can work only under the supervision of a qualified Dental Surgeon.

**ANNUAL SCHEME OF INSTRUCTIONS AND EXAMINATION
DENTAL HYGIENIST**

1st year

Part-A		Theory		Practicals		Total	
		Periods	Marks	Periods	Marks	Periods	Marks
1.	English	150	50	0	0	150	50
2.	General Foundation course	150	50	0	0	150	50
Part-B							
3.	Paper-I Dental Anatomy Physiology & Histology.	135	50	135	50	270	100
4.	Paper-II Oral Pathology, Bacteriology & Dental Pharmacology.	135	50	135	50	270	100
5.	Paper-III Dental Radiology, Food & Nutrition	135	50	135	50	270	100
Total						1110	400

II YEAR

Part-A		Theory		Practicals		Total	
		Periods	Marks	Periods	Marks	Periods	Marks
1.	English	150	50	0	0	150	50
2.	General Foundation course	150	50	0	0	150	50
Part-B							
3.	Paper-I Dental Hygiene & Oral Prophylaxis	110	50	115	50	225	100
4.	Paper-II Public Health & Dental Public Health.	110	50	115	50	225	100
5.	Paper-III Chair side Assistance, Dental Ethics, Jurisprudence & Dental materials.	110	50	115	50	225	100
Total						975	400
On the Job Training						363 + 450	200
						I+II+III	1000

Note: The theory, practical classes and the On the job training shall be conducted at Dental college itself. The students shall attend in the morning from 8.30 a.m to 12.30 p.m during Out patient time at Dental college itself. Again by taking half an hour lunch break they shall come to the concerned junior college for remaining classes from 1.00 p.m to 3.00 p.m. Hence, there will not be separate O.J.T. for this course.

EVALUATION OF ON THE JOB TRAINING:

The “On the Job Training” shall carry 100 marks for each year and pass marks is 50. During on the job training the candidate shall put in a minimum of 90 % of attendance.

The evaluation shall be done in the last week of January.

Marks allotted for evaluation:

S.No	Name of the activity	Max. Marks allotted for each activity
1	Attendance and punctuality	30
2	Familiarity with technical terms	05
3	Familiarity with tools and material	05
4	Manual skills	05
5	Application of knowledge	10
6	Problem solving skills	10
7	Comprehension and observation	10
8	Human relations	05
9	Ability to communicate	10
10	Maintenance of dairy	10
	Total	100

NOTE: The On the Job Training mentioned is tentative. The spirit of On the Job training is to be maintained. The colleges are at liberty to conduct on the job training according to their local feasibility of institutions & industries. They may conduct the entire on the job training periods of (363) I year and (450) II year **either by conducting classes in morning session and send the students for OJT in afternoon session or two days in week or weekly or monthly or by any mode which is feasible for both the college and the institution.** However, the total assigned periods for on the job training should be completed. The institutions are at liberty to conduct On the Job training during summer also, however there will not be any financial commitment to the department.

SCHEME OF INSTRUCTION PER WEEK

	Part-A	Theory	Practicals	Total
1.	English	4	-	4
2.	General Foundation Course	4	-	4
	Part-B			
3.	Paper -I	4	4	8
	Paper-II	4	4	8
	Paper-III	4	4	8
	Total	20	12	32

SYLLABUS
DENTAL HYGIENIST
DENTAL ANATOMY, PHYSIOLOGY & HISTOLOGY
1ST YEAR
PART-B (VOCATIONAL)
PAPER-1(THEORY)

Theory : 135hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Terminology in Dental and General Anatomy Structure & functions of Oral Mucosa Bones of the Cranium & Face Embryology –Development of Maxilla ,Mandible& tooth	20	10	2	1
II	Types of Muscles Structure & Functions of Muscles of Mastication ,muscles of Facial Expression Blood Vessels-Structure functions .Blood supply to face jawas & teeth. Blood grouping, mechanism of clotting Structure & functions of Nerves Cranial Nerves- description of V&VII Cranial nerve Salivary glands ,composition and functions of saliva	25	16	2	2
III	Temporo Mandibular joint –Basic anatomy physiology functions & movements of TMJ Structure of tongue taste buds . Nomenclature of tooth Parts of tooth, morphology, eruption shedding& occlusion of teeth	25	16	2	2
IV	Structure of enamel Dentine ,pulp cementum & periodontal apparatus Functions of perodontium- gingiva, cementum periodontal ugament, alveolar process Process of Mastication, deglutition & phonation	20	10	2	1
V	Structure of human cell Histology of enamel ,Dentine pulp, Cementum , gigiva , Periodontal membrane alveolar bone ,nasmyths membrane. Structure of RBC,W.B.C&Platelets	25	16	2	2

DENTAL HYGIENIST
DENTAL ANATOMY, PHYSIOLOGY & HISTOLOGY
1ST YEAR
PART-B (VOCATIONAL)
PAPER-1(PRACTICALS)

Theory : 135hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
1.	Anatomy Showing bones of the skull – specimens Oral mucosa – slides, spotters. Development of tooth – Models & Charts. Development of Maxilla & Mandible – Models & Charts.	30	30	3	2
2.	Muscles of mastication – charts & Models. Muscles of facial expression – charts & Models.	30	20	2	1
3.	Cranial nerves Trigeminal nerve Facial nerve Salivary glands TMJ Charts & models	30	20	2	1
4.	Tongue-slides, Record, charts Morphology of tooth-collection of natural teeth & identification Mounting on plaster models for studying	30	30	3	2
5.	Recording of blood pressure Section of tooth Microscopic study of enamel ,denting, pulp& alveolar bone	15	10	1	1

REFERENCE BOOKS:

1. Head and neck anatomy by *chaurasia*
2. Head and neck anatomy by *A.K.DAS*
3. General anatomy by *Sitchers*
4. Grays anatomy
5. Human physiology by *Chattergy*
6. Human physiology by *A.K.Jain*
7. Dental anatomy by *wheelers*

DENTAL HYGIENIST
ORAL PATHOLOGY, BACTERIOLOGY & DENTAL PHARMACOLOGY

1ST YEAR
PART-B (VOCATIONAL)
PAPER-II (THEORY)

Theory : 135hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	General principals of pathology Inflammation ,repair ,de generation &Necrosis Immunity White lesions of oral cavity	20	08	1	1
II	Pre-cancerous lesions & conditions Neoplasm-differences between malignant & Benign lesions Systemic diseases with oral manifestations Nutritional, vitamin,& iron deficiency Infections of oral Cavity-ANUG, Herpetic stomatitis ,candidiasis, HIV, Hepatitis	20	10	2	1
III	Sterilization & Infection control Bacteria- types Dental anomalies Attrition ,abrasion &erosion Normal microbial flora of oral cavity Dental caries- etiology, pathogenesis	30	18	3	2
IV	<u>Dental Pharmacology:</u> Nomenclature, sources of various drugs ,routes of Drug administration Pharmacological action & therapeutic uses of drugs commonly used in dentistry Antibiotics Chemotherapeutic agents Analgesics & anti inflammatory drugs	25	16	2	2
V	Sedatives Local anesthetics Haemostatics Astringents	20	08	1	1
VI	Antiseptics Mouth washes, Gum paints, disclosing agents Obtundents, dentifrices.	20	08	1	1

DENTAL HYGIENIST**ORAL PATHOLOGY, BACTERIOLOGY & DENTAL PHARMACOLOGY
1ST YEAR****PART-B (VOCATIONAL)
PAPER-II (PRACTICAL)****PRACTICALS: 135****Marks: 50**

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Study of Pathological & Bacteriological slides of oral conditions	20	20	2	1
II	Study of various drugs Identification of drugs	20	20	2	1
III	Clinical observation of oral manifestations of systemic diseases	30	30	2	2
IV	Simple urine tests- Benedict's test	20	10	1	1
V	Blood test- Bleeding time ,clotting time hb%	25	20	1	1

REFERENCE BOOKS:

1. Dental Pharmacology by *Tripathi*.
2. Dental Pharmacology by *Sathoskar*.
3. Oral pathology by *Shafer*.
4. Oral pathology by *Allen*.
5. Oral pathology by *Somasunderan*.

SUBJECT: DENTAL RADIOLOGY, FOOD & NUTRITION**1ST YEAR****PART-B (VOCATIONAL)****PAPER-III (THEORY)**

Theory : 135hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Properties & production of x-rays Radiation Physics X-ray film composition classification of x-ray film	15	08	1	1
II	Technique of intra oral x-rays Composition of developer and fixer Processing & mounting of dental radio graphs Common errors in x-ray processing	15	08	1	1
III	Hazards of radiation Protection from hazards Protection of the patient Protection of the operator	20	10	2	1
IV	Normal radiographic anatomy Study of normal radio graph	10	08	1	1
V	<u>Food & Nutrition:</u> Basic food chemistry in relation to general & oral health Carbohydrates: their effects on general & oral health Proteins: their effects on general & oral health Fats: their effects on general & oral health Vitamins: their effects on general & oral health Minerals: their effects on general & oral health	20	10	2	1
VI	Etiology of dental caries, rampant caries, prevention of dental caries role of Fluorides in prevention of dental caries Fluorosis	20	08	1	1
VII	Dietary requirement- in maxilla facial injury Dietary requirement-during pregnancy ,during lactation, during development of jaw bones & in geriatric patients	20	08	1	1
VIII	Dietary management of new denture wearer, patients with cleft palate & after cleft palate repair Dietary management of diabetic patients, individual dietary requirement & diet counseling Effects of mal nutrition on general & oral tissues	15	08	1	1

DENTAL RADIOLOGY, FOOD & NUTRITION**1ST YEAR****PART-B (VOCATIONAL)****PAPER-III (PRACTICALS)**

PRACTICALS: 135

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Parts of x-ray machine	10	6	2	1
II	Technique of intra oral x-ray(on patients) Periapical, occlusal , bitewing. Orthopantomography, lateral cephalometry. Processing & mounting of dental radiograph	65	30	4	2
III	Study of defective radiograph	10	6	-	-
IV	Charts on Food & nutrition study on slides on dental caries	20	15	2	1
V	Preparation of diet charts Collection of models about nutrition and healthy food	30	15	2	1

REFERENCE BOOKS:

1. Food & Nutrition by *Nizel & Andrews*.
2. Fundamentals of dental radiology by *Pramod john*.
3. Dental radiology by *White & Pharoah*.
4. Modern Dental assisting by *Torrus & Ehrlich*.
5. Periodontology by *Carranza*.
6. Dental pharmacology by *Tripathi*.

DENTAL HYGIENE & ORAL PROPHYLLAXIS**2ND YEAR****PART-B (VOCATIONAL)****PAPER-I(THEORY)**

Theory : 110hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Definition of Hygiene & Health Objectives of Dental Hygiene Classification of Gingival & Periodontal diseases	10	04	2	
II	Periodontal micro biology Plaque_ Definition ,Composition, Classification & its role in periodontal diseases. Calculus-Definition composition ,Classification mode of attachment, Mechanism of formation & its role in periodontal diseases.	20	16	2	2
III	Etiology of gingival &periodontal diseases Gingival enlargements. Acute infection of oral cavity-ANUG- Herpetic gingivostomatitis, Pericoronitis oral thrush Gingivitis & periodontitis-clinical features Desquamative gingivitis	30	16	2	2
IV	AIDS & periodontal manifestations , special care Periodontal pockets ,pathogenesis, classification, clinical sign& symptoms Periodontal Instrumentation Special emphasis on probes& scaling instruments. Instruments used for impant surgery	25	16	2	2
V	Plaque control methods Brushing and inter dental cleaning Aggressive periodontitis(juvenile periodontities) Patients education &motivation Mouth washes & gum paints Desensitization of teeth	25	16	2	2

DENTAL HYGIENIST**DENTAL HYGIENE & ORAL PROPHYLLAXIS**
2ND YEAR PART-B (VOCATIONAL)
PAPER-I (PRACTICALS)

Periods : 115

S.No.	Name of the Unit	No. of periods	Weight age in marks	Short Answer Questions	Easy Type Question.
1.	- Introduction of periodontal instruments & equipments - Demonstration of oral prophylaxis on models. -Demonstration of oral prophylaxis on patients.	25			
II.	Oral prophylaxis on patients polishing of teeth fluoride application	30			
III.	Tooth brushing & Inter Dental Clearing other plague control methods sharpening of hand instruments.	30			
IV.	Ultra Sonic Scaling preparation of splints Patients education on plague control.	30			

Reference books:

1. Text book of periodontics by Glickman
2. Essentials of periodontics of Powlack.
3. Periodontology by Shantipriya.
4. Modern Dental Assisting by Torrus & Ehrlich.
5. Periodontology by Dilip Nayak.

DENTAL HYGIENIST**2ND YEAR -PAPER-II (THEORY)****PUBLIC HEALTH AND DENTAL PUBLIC HEALTH**

Theory : 110hrs

Marks: 50

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
I	Introduction to public Health: Introduction Definition of Health Definition of Health-WHO Epidemiological triad Iceberg of disease Definition of Primary Health care Elements/Components of Primary Health care Principals of Primary Health care Public Health care in India	15	02		1
II	Public Health Dentistry: Difference between Public Health dentist and General Dentist Private practice and public health Dentistry Definition of Prevalence, point prevalence Definition of incidence Pondemic Epidemic Endemic Uses of Epidemiology	10	08	1	1
III	Epidermiology, ethology and prevention of dental caries Prevention of periodontal diseases and prevention of oral cancers	5	02	1	
IV	Oral Health Education and Promotion Principals of Health Education Contents of Health Education Health Education & Propaganda Components of communication Types of communication	10	08	1	1
V	School Dental Health Programme Definition Aspects of Health Services Objectives Ideal requirements Advantages Elements/Components of School Dental Health Program me.	10	08	1	1

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
VI	Fluorides in preventive dentistry. Fluoride delivery methods Unital fluorides, compounds used in preventive dentistry. Water fluoridation Salt fluoridation Milk fluoridation Fluoride tablets/drops/lozenges Fluoride toxicity.	15	08	1	1
VII	Indices in dental epidemiology Introduction Definitions Ideal requisites of an index Criteria for selecting an index Classification of indices Uses of index Indices used for assessing oral hygiene and plaque. Oral Hygiene Index (OHI) Simplified Oral Hygiene Index (OHI-S) Indices used for assessing gingival and periodontal disease Russels Periodontal Index Community Periodontal Index of Treatment Needs (CPITN) Community Periodontal Index and Loss of Attachment (CPILOA) Indices used for assisting dental caries DMFT Index DMFS Index Indices used for assessing fluorosis	20	08	1	1
VIII	Dental Man Power Introduction Dentist Dental Auxiliaries Frontier Auxiliaries New Auxiliary Types Dental Manpower in India	10	08	1	1
IX	Atraumatic Restorative Treatment (ART) Introduction Principles Indications Advantages Procedure	10	08	1	1
1X	Environment and Health Water Waste Management	5	02	1	

S.NO.	Name of the unit	No.of periods	Weight age in marks	Short answer questions	Essay type questions
XI	Occupational Hazards and Infection control in Dentistry	5	02	1	

DENTAL HYGIENIST**2ND YEAR -PAPER-II (PRACTICALS)****PUBLIC HEALTH AND DENTAL PUBLIC HEALTH****PRACTICALS: 115****Marks:50**

S. No	Name of the unit	No of periods	Weightage of marks	Short Questions	Long Questions
1	Preparation of models, charts on dental problems	20	10	2	1
2	Health Education	20	10	2	1
3	Making arrangements for dental camps	25	10	2	1
4	Charting of indices	20	10	2	1
5	Demonstration of plaque control method using models, posters, and dramas showing the importance of oral hygiene and use of audio-visual aids.	30	20	3	2

Reference Books:

1. Community Dentistry By *Soben Peter*.
2. Textbook of Preventive and Community Dentistry by *Joseph John*.
3. Modern Dental Assisting by *Torrus and Ehrlich*.

Equalency of Subject

<u>Old Syllabus</u>	<u>N ew Syllabus</u>
Dental Health Education	Public Health and Dental Public Health

DENTAL HYGIENIST COURSE**2ND YEAR -PAPER-III (THEORY)****CHAIR SIDE ASSISTANCE, DENTAL ETHICS, JURISPRUDENCE AND
DENTAL MATERIALS****Theory: 110****Marks:50**

S. No	Name of the Unit	No of Periods	Weight age Marks	Short Questions	Long Questions
1	Reception of patients management of waiting patients. Chairside assisting in various dental surgical procedures. Chairside assisting in dental Implant placement.	15	08	1	1
2	Preparation of patient for treatment sterilization of dental equipment and various instruments Maintenance and care for infection control in dental practice.	10	08	1	1
3	Care and Maintenance of dental instruments Requirements of an Ideal Dental Clinic Sharpening of instruments Charting of teeth Instructions to patients before and after surgery. Homecare procedures and follow up after receiving dental implants. Local Anesthetics used in dental practice. Through knowledge about components of dental chair and adjustments. Basic knowledge about management of medical emergencies.	30	20	4	2
4	<u>Dental Ethics and Juries procedures</u> Principles of ethics code of professional conduct Dentists Act 1948 Dental Auxiliaries Duties of a dental hygienist according to 1948	15	08	1	1

S. No	Name of the Unit	No of Periods	Weight age Marks	Short Questions	Long Questions
	act. Dental Council of India.				
5	State Dental Council Indian Dental Association Aims and Objectives of WHO Health Organization of India	15	08	1	1
6	<u>Dental Materials</u> 1. General Knowledge of various materials used in dental practice Gypsum Products Waxes Impression materials	15	08	1	1
7	Filling materials-Temporary and permanent Mixing techniques of filling materials Their composition and uses. Mixing techniques of silver amalgam impression materials Denture base materials Dental implant materials	10	08	1	1

DENTAL HYGIENIST COURSE**2ND YEAR -PAPER-III (PRACTICALS)****CHAIR SIDE ASSISTANCE, DENTAL ETHICS, JURISPRUDENCE AND
DENTAL MATERIALS****Practicals: 115****Marks:50**

S. No	Name of the Unit	No of Periods	Weight age Marks	Short Questions	Long Questions
1.	- Adjustment of Dental Chair. - Mixing of filling materials. - Placement of periodontal pack.	30	20		
2.	- Sterilization techniques – charts & Record work. - Collection of Gypsum products & Identifying them. - Collection of various waxes & identifying them.	25	20		
3.	-Collection of Impression materials & Identifying them. -Layout of an ideal Dental clinic.	20	15		
4.	-Collection of Denture bas materials & Identifying them. - Impression taking &preparation of models. - Assisting in surgical procedures. - Identification of various instruments.	40	20		
	Total	115			

Reference Book:Dental materials by –*Phillps*.Dental materials by –*Mannepalli*.Dental materials by –*Subba Rao*.Modern Dental Assisting by –*Torru and Ehrlich* .Oral surgery – *Neelima Anil Malik*.Oral surgery – *Peterson*.Local Anesthesia by –*Monteim*.Local Anesthesia by –*Malamad*.

ON THE JOB TRAINING SYLLABUS:**First Year:**

1. To Assist The Dental Surgeons In The Following Development In Govt Dental College & Hospital Hyd .
 - a. Department Of Radiology – X- Ray Processing & Development.
 - b. Department Of Conservative Dentistry- for ChairSide Assisting.
 - c. Department Of Pedodontia- for ChairSide Assisting .
 - d. Department Of Oral Surgery - for Chair Side Assisting.
 - e. Department Of Pharmacy – For Loading Of Syringes.
 - f. Discussion, Dramas & Talks regarding Oral Hygiene.

Second year:

1. Posting at Mental Hospital
2. Preparation of splints
3. Attend Dental Health Camps.

SITES FOR OJT

1. Govt Dental College & Hospital Hyd
2. Full Fledged Corporate Dental Hospitals Recognized By The Dental Council Of India
3. Government Dental College – Vijayawada – With The Consent Of The Principal
4. Ravi Gandhi Institute For Dental Sciences – Cuddapah With The Consent Of The Principal
5. Posting At The Mental Hospital & Institutions For Mentally Handicapped children. Learn How To Cope Up With Mentally Handicapped Patients .
6. Attend Dental Health Camps.

SITES FOR OJT AFTER COMPLETION OF 2ND YEAR COURSE

1. Govt Dental College & Hospital – Hyderabad .
 - a. Department Of Community Dentistry.
 - b. Periodontia Department.
 - c. Other Department in Government dental college & hospital .
2. Other govt or corporate dental hospitals which are recognized by the Dental Council of India .

VIII) COLLABORATION INSTITUTIONS FOR CURRICULUM TRANSACTION

1. Govt Dental college & hospital Afzulgunj which is attached to Osmania , general hospital-Afzulgun .The collaboration for this course is since 1980.
2. All the classes except English and G.F.C are being conducted in Govt. dental College and hospital , English & G.F.C. are being taught in Govt City Jr. College – Hyderabad.
3. They can be posted in various specialty departments of Govt dental college & hospital to observe and assist in different treatment procedures.
4. Govt dental college – Vijayawada – A.P.
5. Rajiv Gandhi Institute for Dental Sciences Cuddapah – AP.
6. These courses may be attached to the departments of periodontia & Department of Community dentistry where they get sufficient exposure to work directly on patients & participate in dental health camps in rural areas & slums .

LIST OF EQUIPMENTS

1. Dental chairs with units.
2. Ultra sonic scalars .
3. Sharpening stones.
4. Suction apparatus .
5. Sets of supra gingival scalars & sub- gingival scalars.
6. Tweezers.
7. Mouth mirrors .
8. Slide projectors .
9. Auto clave & Other Sterilizers .
10. Instruments Trays .
11. Explores & Probes .
12. Micro motors With hand Pieces .
13. Microscopes.
14. X-Ray Unit .
15. O.P.G Unit .
16. Van With Mobile Dental Chair For Dental Camps .

TEACHING STAFF & THEIR QUALIFICTIONS :

1. Lectures Teaching The Dental Hygienist Students Should Have Minimum Qualifications Of –B.D.S (Bachelor Of Dental Surgery).
2. A senior Qualified Dental Hygienist With Five Years In Oral Prophylaxis & Chairside Assistance Under The Guidance Of Faculty Members .

VERTICAL MOBILITY**a) With Bridge Course:-**

After passing D.H Course the students are eligible to appears for EAMCET Examination. They can opt for Degree Courses; like B.S.C . Microbiology/B.S.C. Biotechnology, B.S.C. Nutrition/ B.S.C Computers electronics etc.

b) Without Bridge Course:-

The students are eligible to take admission in to B.S.C/B.Com/ B.A. degrees .

Work Load for Lecturers**I) Lecturer I is teaching**

1. Dental Radiology., Food & Nutrition –first year .
2. Human Physiology –first year.
3. Dental Hygiene & Oral Prophylaxis - Second year .
4. Dental Health Education - Second year .
5. Chairside Assistance - Second year.

II) Lecturer II is teaching

1. Dental Anatomy & Oral Histology –first year .
2. Oral Pathology , Bacteriology & Dental Pharmacology – first year .
3. Dental Materials - Second year .
4. Dental ethics & jurisprudence - Second year .

DENTAL HYGIENIST
MODEL QUESTION PAPER
IST YR –PAPER-1
DENTAL ANATOMY, PHYSIOLOGY & HISTOLOGY

TIME :3 Hours

max .marks :50

SECTION –A

Note: (i) Answer all the Questions

10 X 2 = 20

(ii) Each Question Carries 2 Marks

1. What is Rickets?
2. What is cleft lip?
3. What is deglutition
4. Draw the histological picture of the normal Mucosa and label it?
5. What is Cementum?
6. Eruption Sequence of permanent lower and upper anterior teeth?
7. What are the muscles of mastication?
8. Name the different types of periodontal fibers.
9. Name the cranial nerves.
10. Names the ducts of the major salivary glands.

SECTION-B

Note: (i) Answer any 5 Question

5 x 6 =30

(ii) Each Question carries 6 marks

11. Describe the Mandibular 1st Molar permanent tooth.
12. Describe the 7th cranial nerve course and distribution.
13. Describe histology and functions of periodontal membrane.
14. Describe about the dental pulp.
15. Describe the mechanism of blood clotting.
16. Describe the development stages of tooth.
17. Describe the maxilla.
18. Describe the various muscles of facial expression.

DENTAL HYGIENIST
MODEL QUESTION PAPER
IST YR –PAPER-II
ORAL PATHOLOGY, BACTERIALOLOGY & DENTAL PHARMACOLOGY

TIME : 3 Hours

max .marks :50

SECTION –A

Note: (i) Answer all the Questions

10 X 2 = 20

(ii) Each Question Carries 2 Marks

1. What are the factors causing dental caries?
2. Mention some oral manifestations of diabetic patients.
3. Define sedatives and name any two sedatives.
4. What is microdontia and macrodontia?
5. Define bacteraemia, septicemia?
6. Therapeutic uses of gum paints
7. What is Gingivitis and its clinical features?
8. Define Attrition, Abrasion and Erosion.
9. Define Sterilization, mention the various methods.
10. What is immunity?

SECTION –B

Note: (i) Answer any 5 Question

5 x 6 =30

(ii) Each Question carries 6 marks

11. What is AIDS write in detail about it?
12. Classify the various routes of drug Administration and write in detail about them?
13. What is analgesic? Classify and describe the various analgesics used in dentistry?
14. Describe various mouthwashes dentifrices and gum paints used in dentistry?
15. Describe various antibiotics commonly used in dentistry?
16. What are the differences between malignant and benign lesions of oral cavity?
17. Describe various types of gingival enlargement?
18. Describe the various Dental Anamolies.

DENTAL HYGIENIST**IST YR –PAPER-III****DENTAL RADIOLOGY, FOOD & NUTRITION****TIME :3 Hours****max .marks :50****SECTION –A**

Note: (i) Answer all the Questions
(ii) Each Question Carries 2 Marks

10 X 2 = 20

1. What is the speed of a film?
2. What is lateral oblique view?
3. What is long technique?
4. What is a bite wing x-ray?
5. Name the contents of an x-ray film packet.
6. How do you prepare a diet chart for a diabetic patient?
7. What is the size of an O.P.G film?
8. What is malnutrition?
9. What is Beri –Beri?
10. Why is lead Apron used?

SECTION –B

Note: (i) Answer any 5 Question
(ii) Each Question carries 6 marks

5 x 6 =30

11. Classify vitamins. Write in detail about vitamin B complex.
12. What are the dietary requirements during pregnancy and Lactation?
13. Give the composition and explain processing of a radiograph.
14. Classify intra –oral and extra-oral radiographs give their sizes and uses.
15. What is a balanced diet? What is the importance of each component?
16. Describe the various methods of fluoridation.
17. What are the hazards of radiation discuss in detail.
18. Give the Diet chart for a patient with fracture jaw bones.

DENTAL HYGIENIST**II YEAR –PAPER-1****DENTAL HYGIENE & ORAL PROPHYLAXIS****TIME: 3 Hours****max .marks:50****SECTION –A****Note: (i) Answer all the Questions****10 X 2 = 20****(ii) Each Question Carries 2 Marks**

1. What are oral irrigation devices?
2. What are the various grasps of hands instruments?
3. What are Entrinsic Stains?
4. What is Gingivitis?
5. What is tooth-brush? What are the desirable features of tooth-brush?
6. What is Gingival Hyperplasia?
7. What is gingival abcess?
8. What is periodontal packet marking probe?
9. What is periodontitis?
10. What is periodontal pack?

SECTION –B**Note: (i) Answer any 5 Question****5 x 6 =30****(ii) Each Question carries 6 marks**

11. Define materia alba & Dental Plaque. Write about Dental Plaque.
12. What are the different tooth brushing techniques?
13. Write about Inter dental cleansers.
14. Write about ultrasonic scales.
15. Write about plaque control methods.
16. Write about polishing agents & colonal polishing techniques.
17. What is periodontal disease? Write about causes & types.
18. Describe the etiology, clinical features and treatment for ANUG.

DENTAL HYGIENIST
MODEL QUESTION PAPER
2nd YR –PAPER-II

PUBLIC HEALTH & DENTAL PUBLIC HEALTH

TIME :3 Hours

max .marks :50

SECTION –A

Note: (i) Answer all the Questions

10 X 2 = 20

(ii) Each Question Carries 2 Marks

1. Write a note on Thumb sucking habit..
2. Write about Bruxism.
3. What are the traditional tooth cleaning methods?
4. What are the functions of saliva?
5. Write about DMF index.
6. How do you prevent Dental caries?
7. Write about mouth-washes.
8. What is a ultrasonic scaler.
9. Define plaque and calculus.
10. What are the requirements of an ideal tooth brush?

SECTION-B

Note: (i) Answer any 5 Question

5 x 6 =30

(ii) Each Question carries 6 marks

11. What is the etiology of Dental caries?
12. How do you conduct a Dental Health Camp?
13. How do you manage a physically handicapped child?
14. What is the etiology of oral cancer?
15. What type of Dental health education is given to pregnant mothers?
16. What is Epidemiology? Describe OHI-S.
17. Describe the various methods of fluoridation.
18. Describe the procedure of giving atraumatic restorations.

**MODEL QUESTION PAPER
DENTAL HYGIENIST****2nd YR –PAPER-III****CHAIRSIDE ASSISTANCE, DENTAL ETHICS JURISPRUDENCE AND DENTAL MATERIALS****TIME :3 Hours****max .marks :50****SECTION –A****Note I) answer all the Questions****10 X 2 = 20****(ii) Each Question Carries 2 Marks**

1. What Is Criminal Law?
2. Write The Names Of The Instruments Used To Examine The Patient.
3. List out The Suturing Instruments.
4. What is tensile Strength of Gypsum?
5. Write The Composition Of Zinc Oxide Eugenol cement.
6. Write About Suction Apparatus.
7. Write the names of Permanent filling materials.
8. What are dental auxiliaries?
9. What Is Corrosion?
10. What Are The Expanded Duties Of Dental Hygienist?

SECTION-B**Note: (i) Answer any 5 Question****5 x 6 =30****(ii) Each Question carries 6 marks**

11. What are the advantages and disadvantages Of Alginate Impression Material?
12. What Is Dentist Act 1948, Registration Of Dental Hygienist And Legal Imposition Related To Dental Practice.
13. What is the composition of dental council of India and state dental council?
14. What are The Principles of Surgery?
15. What are the Methods of Sterilization and maintaining Asepsis in Dental Practice?
16. Write in detail About Silver amalgam preparation.
17. Write In Detail About Appointment Control And Management Of Waiting Patients.
18. Describe the various temporary filling materials.

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