

III BDS

PUBLIC HEALTH DENTISTRY

Theory:15 Hours Clinical/Practical:50

MUST KNOW

Syllabus:

Sl No.	Topic	No.of hours	Year of study
1.	Introduction to Dentistry: Definition of Dentistry, History of Dentistry, Scope, aims and objectives of Dentistry.	4	III BDS
2.	Public Health:		
	i. Health & Disease: - Concepts, Philosophy, Definition & Characteristics	5	
public	ii. Public Health: - Definition & Concepts,History of health	4	
	iii. Dentist Act 1948 with amendment. Dentist Council of India and state Dental Councils Composition and responsibilities.	1	
	iv. Indian Dental association Head Office,State and local branches	1	

PRACTICALS/CLINICALS/FIELD PROGRAMMES IN PUBLIC HEALTH DENTISTRY

These exercises designed to help the student in III year:

1. To Understand the community aspects of dentistry
2. To take up leadership role in solving community oral health programme
3. To gain hands on experience on research methodology.

Exercises: III BDS

Sl. No.	Topic	Year of study
1.	<p>Short term research project: Epidemiology & Advocacy</p> <p>Purpose: Apply the theory and practice of epidemiology, planning and evaluation, statistics to dental public health. Most of the students are unfamiliar with research and hence this short term project which will be divided across 2 years [IV & V BDS] would address this issue.</p> <p>Depending on the topic chosen student can incorporate</p> <ul style="list-style-type: none"> • Collection of statistical data (demographic) on population in India, birth rates, morbidity and mortality, literacy, per capita income • Incidence and prevalence of common oral diseases like dental caries, periodontal disease, oral cancer, fluorosis at national and international levels. • Oral health status assessment of the community using indices and WHO basic oral health survey methods collection. 	15 hrs
2.	<p>Field visits:</p> <ul style="list-style-type: none"> • Visit to primary health centre-to acquaint with activities and primary health care delivery • Visit to water purification plant/public health laboratory/ centre for treatment of western and sewage water • Visit to institution for the care of handicapped, physically, mentally, or medically compromised patients 	20 hrs
3	<p>Preventive Dentistry:</p> <ul style="list-style-type: none"> • Including case history, recording of indices, application of pit and fissure sealants, fluoride gel application procedure, A. R. T. <p>Health talk : Minimum of 12 per year</p>	15 hrs

Note: Recording of oral health assessment using indices and WHO basic oral health survey methods should be in context of how information collected will be used or utilised. Therefore it is desirable for this exercise to be part of short term research project and not merely for recording.

IV BDS

PUBLIC HEALTH DENTISTRY

Theory: 45 hours

Clinical/Practical:150 hour

Sl.No.	Topic	No. of hours	Year of study
1. PUBLIC HEALTH		2	IV BDS
i. General Epidemiology:-definition,objectives,methods		2	
ii.Environment Health: -Concepts,principles,protection, sources,purification environmental sanitation of water disposal of waste sanitation,then role in mass disorders		2	
iii. Health Education: -Definition,concepts,principles,methods, and health education aids		2	
iv.Public Health Administration: -Priority,establishment, manpower,private practice management, hospital management.		2	
v.Ethics and Jurisprudence: Professional liabilities,negligence, malpractice, consents, evidence, contrasts, and methods of identification in forensic dentistry.		2	
vi.Behavior sciences:Definition of sociology,anthropology and psychology and their in dental practice and community.		2	
vii. Health care delivery system: Center and state, oral health policy,primary health care, national programmes, health organizations.		2	
2. Dental Public Health			
i. Definition and difference between community and clinical health.		2	
ii. Nutrition in oral diseases		2	
iii. Delivery of dental care: Dental auxiliaries, operational and non-operational, incremental and comprehensive health care, school dental health Planning & Evaluation		4 1	
iv. Payments of dental care: Methods of payments and dental insurance, government plans		2	
3. Preventive Dentistry		5	
i. Definition, Levels, role of individual community and profession, fluorides in dentistry, plaque control programmes.			
ii. Prevention of dental caries Prevention of periodontal disease Prevention of oral cancer Prevention of malocclusion Atraumatic Restorative Treatment(ART) Occupational Hazards Evidence Based Dentistry(EBD)		6	

Research Methodology and Dental Statistics	
4. Health Information: - Basic knowledge of Computers, MS Office, Window 2000, Statistical Programmes	1
5. Research Methodology: -Definition, types of research, designing a written protocol	1
6. Bio-Statistics: - Introduction, collection of data, presentation of data, Measures of Central tendency, measures of dispersion, Tests of significance, Sampling and sampling techniques-types, errors, bias, blind trail and calibration.	5
Practice Management	
1. Place and locality 2. Premises & layout 3. Selection of equipments 4. Maintenance of records/accounts/audit.	2

PRACTICALS/CLINICALS/FIELD PROGRAMMES IN PUBLIC HEALTH DENTISTRY

These exercises designed to help the student in V year:

1. To Understand the community aspects of dentistry
2. To take up leadership role in solving community oral health programme
3. To gain hands on experience on research methodology.

Exercises: IV BDS

Sl. No	Topic	Hours of study
1.	Oral health education material preparation <ul style="list-style-type: none">• Preparation of health education materials posters,models,slides Lectures,play acting skits etc.	10 hours
2.	Visit to school <ul style="list-style-type: none">• To asses the oral health status of school children, Emergency treatment and health education including possible preventive Care at school (tooth brushing technique demonstration and oral rinse programme etc.)	20 hours
3.	Preventive dentistry and health talk: <ul style="list-style-type: none">• Including case history, recording of indices,application of pit and fissure Sealants,fluoride gel application procedure,A.R.T. Health talk:Minimum of 12 per year	30 hours
4.	Exploring the setting of dental practice <ul style="list-style-type: none">• Exploring and planning setting of private dental clinics in rural,semi-Urban and urban locations,availment of finances for dental practices, Preparing project report.	10 hours
5.	Rural postings <ul style="list-style-type: none">• Comprehensive care including oral health education in rural areas for Disadvantaged population.	80 hours

Note: Recording of oral health assessment using indices and WHO basic oral health survey methods should be in context of how information collected will be used or utilised. Therefore it is desirable for this exercise to be part of short term research project and not merely for recording.

The colleges are encouraged to involve in the N.S.S.programme for college students for carrying out Social work in rural areas.

Type of questions and distribution of marks:

Each question paper shall be of 3 hours duration, carrying maximum marks of 70. There shall be three types of questions with distribution of marks as shown in Table:

Table

Type of Questions	No. of Questions	Marks per question	Total marks
Long Essay Type	2	10	20
Short Essay Type	8	5	40
Short Answer Type	5	2	10
		Grand Total	70

Scheme of Examination**Theory Examination**

Sl. No	Type of Question	No.	Marks	Total (Maximum Marks- 100)
i	Long Essays	2	10	20
ii	Short Essays	8	5	40
iii	Short Answers	5	2	10

Clinical Examination

Sl.No.	Exercise	Marks allotted (Maximum Marks- 100)
1.	Case History Taking	15
2	. Assessment of Oral Health Status using any two relevant Indices	35
3.	Preventive Clinical procedures(Any one) (Topical fluoride application, Pit and fissure sealants and ART)	25
4	Oral Health Education Talk / Presentation of Oral Health Education Material / short term student research project presentation	15

	Theory	Clinicals
Internal Assessment	10	10
University Examination	70	90
Viva voce	20	-
Total	100	100

BOOKS RECOMMENDED & REFERENCE:

1. Dentistry Dental Practice and Community by David F.Striffler and Brain A.Burt, Edn. -1983,W,B,Saunders Company.
2. Principles of Dental Public Health by James Morse Dunning,4th Edition, 1986, Harwarduniversity Press.
3. Jong,s Community Dental Health ,5th Edition, by George Gluck and warren Morganstein.
4. Community Oral Health- A system approach by Patricia P.Cormier and Joyee I.Levy Published by Application-Century-Crofts/New York,1881.
5. Community Dentistry- A problem oriented approach by P.C.Dental Hand book series Vol.8 by Stephen I.Silverman and Ames F.Tryon,series editor-Alvin F.Gardner, PSG Publishing company inc.littleton Massachuselts,1980.
6. Clinical Use of Fluorides- Stephen H. Wei
7. Oral healthsurveys- Basic methods,4th edition,1997,published by W.H.O.Geneva Available at the regional office New Delhi.
8. Preventive Dentistry-by J.O.Forrest published by John Wright and sons Bristol, 1980.
9. Preventive Dentistry by Murray, 1997.
10. Textbook of Preventive and Social Medicine by park, 20th edition..
11. Textbook of Preventive and Community dentistry by Dr S S Hiremath.
12. Introduction to Bio-statistics by B.K.Mahajan.
- 13.Research methodology- Methods and techniques by C.R.Kothari, 2nd edition.
- 14.Introduction to statistics methods by grewal.
15. Dentistry,Dental Practice and the community, 6th Edition, by Brain A Burt and Stephen a eklund.