

**DETAILED SYLLABUS FOR THE POST OF ASSISTANT PROFESSOR
IN COMMUNITY DENTISTRY IN (Kerala Medical Education Service) -
Direct Recruitment
(Cat No.293/2023)**

Modules

1. Research methodology and biostatistics – 15 marks

- Types of research
- Applications
- Uses and limitations of biostatistics in Public Health dentistry
- Collection of data
- Presentation of data
- Measures of central tendency
- Measures of dispersion
- Methods of summarizing
- Parametric and non-parametric tests of significance
- Correlation and regression
- Multivariate analysis
- Sampling and sampling techniques – types, errors, bias, trial and calibration

2. Public health – 10 marks

- Concepts and philosophy
- History of public health in India and at international level
- Health and Disease
- General epidemiology
- Environmental health
- Public health education

3. Public health practice and administration system in India – 10 marks

- Nutrition in public health
- Behavioural sciences
- Hospital administration
- Health care delivery system including national health programs
- Demography and Family planning
- Health economics

4. Epidemiology of oral diseases and conditions – 15 marks

- Dental caries, gingival and Periodontal disease, oral cancer, malocclusion, Dental fluorosis, TMJ disorders and other oral health related problems
- Oral health Survey procedures
- Planning and evaluation

5. Ethics and Jurisprudence - 10 marks

- Basic principles of law
- Contract laws: dentist – patient relationships and Legal forms of practice
- Dental malpractice
- Person identification through dentistry
- Legal protection for practicing dentist
- Consumer protection act

6. Delivery of dental care – 10 marks

- Dental person power – dental auxiliaries
- Dentist – population ratios,
- Public dental care programs
- School dental health programs- Incremental and comprehensive care

- Private practice and group practice
- Oral health policy – National and international policy

7. Preventive dentistry -15 marks

- Levels of prevention
- Preventive oral health programs screening, health education and motivation
- Prevention of all dental diseases-dental caries, periodontal diseases, oral cancer, malocclusion and Dentofacial anomalies
- Role of dentist in prevention of oral diseases at individual and community level.
- Fluoride
- Plaque control measures
- Pit and fissure sealant, ART, Preventive Resin restoration
- Preventive oral health care for medically compromised individual
- Update on recent preventive modalities
- Caries vaccines
- Dietary counselling

8. Tobacco counselling – 5 marks

- Health Consequences
- Tobacco dependence
- Benefits of intervention
- Tobacco cessation
- Role of dentist

9. Practice management-5 marks

- Principles of management of dental practice and types
- Organization and administration of dental practice

- Ethical and legal issues in dental practice
- Current trends
- Infection control in dental practice

10. Payment for dental care – 5 marks

- Prepayment
- Post-payment
- Reimbursement plans
- Voluntary agencies
- Health insurance

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.

.....