

**BDS CURRICULUM**

**Public Health Dentistry**

**3rd Year BDS (30 Hours)**

**Introduction to Dentistry (4 hours)**

1. **Class 1 (1 hour):**
  - Introduction to Dentistry: Definition, History, and Evolution
  - Scope, Aims, and Objectives of Dentistry
2. **Class 2 (1 hour):**
  - Historical Development of Dentistry in India and Abroad
3. **Class 3 (1 hour):**
  - Role and Responsibilities of a Dentist in Modern Society
4. **Class 4 (1 hour):**
  - Relationship of Dentistry with Other Health Professions

**Public Health (15 hours)**

**Health & Disease (3 hours)**

**5. Class 5 (1 hour):**

- Concepts, Philosophy, and Characteristics of Health and Disease

**6. Class 6 (1 hour):**

- Determinants of Health and Epidemiological Triad

**7. Class 7 (1 hour):**

- Natural History of Disease and Levels of Prevention

**Public Health and Epidemiology (4 hours)**

**8. Class 8 (1 hour):**

- Definition, Concepts, and History of Public Health

**9. Class 9 (1 hour):**

- General Epidemiology: Objectives and Methods

**10. Class 10 (1 hour):**

- Epidemiological Studies: Cross-Sectional, Cohort, Case-Control

**11. Class 11 (1 hour):**

- Environmental Health: Concepts, Principles, and Role

**Health Education and Behavioral Science (3 hours)**

**12. Class 12 (1 hour):**

- Health Education: Principles, Methods, and Aids

**13. Class 13 (1 hour):**

- Behavioral Science: Introduction to Sociology, Anthropology, and Psychology in Dental Practice

**14. Class 14 (1 hour):**

- The Role of Behavior and Community Participation in Health Promotion

### **Ethics and Jurisprudence (2 hours)**

#### **15. Class 15 (1 hour):**

- Professional Liabilities, Negligence, and Malpractice

#### **16. Class 16 (1 hour):**

- Ethical Guidelines and Legal Aspects in Dentistry

### **Nutrition in Oral Diseases (1 hour)**

#### **17. Class 17 (1 hour):**

- Role of Diet and Nutrition in Oral Health and Systemic Diseases

### **Health Care Delivery System (2 hours)**

#### **18. Class 18 (1 hour):**

- National Health Policies and Primary Health Care

#### **19. Class 19 (1 hour):**

- Health Organizations and Oral Health Policies

### **Dental Public Health (11 hours)**

### **Epidemiology of Dental Diseases (4 hours)**

#### **20. Class 20 (1 hour):**

- Dental Caries: Epidemiology and Etiology

#### **21. Class 21 (1 hour):**

- Periodontal Diseases and Malocclusion

#### **22. Class 22 (1 hour):**

- Dental Fluorosis and Oral Cancer

#### **23. Class 23 (1 hour):**

- WHO Oral Health Survey Methods 1997

### **Preventive Dentistry (4 hours)**

#### **24. Class 24 (1 hour):**

- Definition and Levels of Prevention

#### **25. Class 25 (1 hour):**

- Role of Fluorides in Dentistry

#### **26. Class 26 (1 hour):**

- Plaque Control Programmes

#### **27. Class 27 (1 hour):**

- Role of the Individual, Community, and Dental Profession in Prevention

### **Survey Procedures and Dental Care Delivery (3 hours)**

#### **28. Class 28 (1 hour):**

- Planning and Implementation of Surveys

#### **29. Class 29 (1 hour):**

- Dental Auxiliaries and School Dental Health Programmes

#### **30. Class 30 (1 hour):**

- Payment Methods and Dental Insurance

## **Final Year BDS (30 Hours)**

### **Research Methodology and Dental Statistics (10 hours)**

1. **Class 1 (1 hour):**
  - Introduction to Research Methodology and its Importance
2. **Class 2 (1 hour):**
  - Types of Research and Designing a Written Protocol
3. **Class 3 (1 hour):**
  - Introduction to Bio-Statistics: Data Collection and Presentation
4. **Class 4 (1 hour):**
  - Measures of Central Tendency and Dispersion
5. **Class 5 (1 hour):**
  - Tests of Significance: Hypothesis Testing
6. **Class 6 (1 hour):**
  - Sampling Techniques: Types, Errors, and Bias
7. **Class 7 (1 hour):**
  - Blind Trials and Calibration in Research
8. **Class 8 (1 hour):**
  - Statistical Programmes and Data Analysis
9. **Class 9 (1 hour):**
  - Use of Computers: MS Office and Software for Research
10. **Class 10 (1 hour):**
  - Ethical Considerations in Research

### **Practice Management and Regulatory Bodies (6 hours)**

11. **Class 11 (1 hour):**
  - Practice Setup: Place, Locality, and Layout
12. **Class 12 (1 hour):**
  - Selection and Maintenance of Equipment
13. **Class 13 (1 hour):**
  - Record Maintenance, Accounting, and Audit
14. **Class 14 (1 hour):**
  - Dentist Act 1948 and Amendments
15. **Class 15 (1 hour):**
  - Role of Dental Councils and Regulatory Bodies
16. **Class 16 (1 hour):**
  - Indian Dental Association: Structure and Functions

### **Advanced Topics in Dental Public Health (14 hours)**

#### **Preventive and Community Dentistry (6 hours)**

17. **Class 17 (1 hour):**
  - Comprehensive Dental Care: Operational and Non-Operational Methods
18. **Class 18 (1 hour):**

- Incremental Health Care Approaches
- 19. **Class 19 (1 hour):**
  - Role of Preventive Dentistry in School Dental Health
- 20. **Class 20 (1 hour):**
  - Community Dentistry: Clinical vs. Community Approaches
- 21. **Class 21 (1 hour):**
  - Planning and Evaluation of Oral Health Programmes
- 22. **Class 22 (1 hour):**
  - Integration of Preventive Strategies in Clinical Practice

### **Dental Epidemiology and Surveys (4 hours)**

#### **23. Class 23 (1 hour):**

- Dental Indices and Their Importance

#### **24. Class 24 (1 hour):**

- WHO Guidelines on Survey Procedures

#### **25. Class 25 (1 hour):**

- Role of Surveys in Policy Development

#### **26. Class 26 (1 hour):**

- Evaluating Public Health Programmes

### **Health Care Systems and Insurance (4 hours)**

#### **27. Class 27 (1 hour):**

- Overview of Health Care Delivery Systems in India

#### **28. Class 28 (1 hour):**

- Financing and Dental Insurance: Public and Private Sectors

#### **29. Class 29 (1 hour):**

- Role of NGOs and International Organizations

#### **30. Class 30 (1 hour):**

- Future Trends in Dental Public Health