

SeatNo.:

PRN

**Narsinhbhai Patel Dental College & Hospital, Visnagar**  
**M.D.S.–Part-II–EXAMINATION–2024**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070203**  
**Subject Name: Paper-III**  
**Time: 3Hrs.**

**Date: 05/08/2024**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figure to the right indicate full marks.

**Answer following Essay Questions ( Any Two out of Three)**

100 Marks

Q.1 History of fluoride

50

Q.2 Epidemiology of oral cancer

50

Q.3 Role of dentist in disaster management

50

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part (I) – EXAMINATION – DEPT – DEC 2023**

**Specialization: Public Health Dentistry**

**Date: 29/09/2023**

**Subject Code: 2DS2070101**

**Subject Name: Paper 1**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

- |      |  |    |
|------|--|----|
| Q.1  | Write in detail about of muscles of facial expression  | 10 |
| Q.2  | Endocrine regulation of blood pressure   | 10 |
| Q.3  | Emergency drugs in dental practice   | 10 |
| Q.4  | Uses and limitations of bio statistics in public health dentistry                              | 10 |
| Q.5  | Enumerate types of research and write in detail about designing written protocol for research. | 10 |
| Q.6  | Methods of sterilisation   | 10 |
| Q.7  | Deglutition  | 10 |
| Q.8  | Development of mandible  | 10 |
| Q.9  | Non parametric tests   | 10 |
| Q.10 | Role of computers in public health dentistry   | 10 |

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**SANKALCHAND PATEL UNIVERSITY**

**M.D.S. 3rd Year (Part-II) Paper III – EXAMINATION – MAY – JULY 2023**

**Specialization: Public Health Dentistry**

**Date:30/06/2023**

**Subject Code: 2DS2070203**

**Subject Name: Paper III**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Essay Questions (Any Two out of Three)**

**100 Marks**

- |   |           |
|---|-----------|
| <b>Q.1</b> Discuss the bottlenecks to effective use of various Health Education approaches for public in India. | <b>50</b> |
| <b>Q.2</b> Discuss the need, expectations and likely benefit from new Oral Health Policy in India               | <b>50</b> |
| <b>Q.3</b> Tools of Dental Public Health  | <b>50</b> |

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. 3rd Year (Part-II) Paper II EXAMINATION – MAY – JULY 2023**

**Specialization: Public Health Dentistry**

**Date: 28/06/ 2023**

**Subject Code: 2DS2070202**

**Subject Name: Paper II**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1 Discuss changing concepts in Preventive Dentistry and its implication and application in improving community oral health 25
- Q.2 Appraise the feasibility and methods of Defluoridation techniques for smaller communities and houses in India 25

**Answer following Short Questions**

- Q.3 Planning Cycle 10
- Q.4 m Cessation 10
- Q.5 Models for Health Promotion 10
- Q.6 Blanket Referral 10
- Q.7 Anti caries diet 10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. 3rd Year (Part-II) Paper I EXAMINATION – MAY – JULY 2023**

**Specialization: Public Health Dentistry**

**Date: 26/06/ 2023**

**Subject Code: 2DS2070201**

**Subject Name: Paper I**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1** Discuss the principles of Primary Health Care. Expound on health care delivery in India **25**
- Q.2** What is a Public Health Problem. What are the major public health problems in India and what approach should be used to address these problems. **25**

**Answer following Short Questions**

- Q.3** Social Stratification **10**
- Q.4** ASHA **10**
- Q.5** Family Planning **10**
- Q.6** PPP Model **10**
- Q.7** Migration Studies **10**

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**Narsinhbhai Patel Dental college & Hospital, Visnagar**  
**M.D.S. – Part-II – EXAMINATION – 2023**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070201**  
**Subject Name: Paper-I**  
**Time: 3 Hrs.**

**Date: 27/03/2023**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- |     |   |    |
|-----|---|----|
| Q.1 | Nutritional problems in public health.                                      | 25 |
| Q.2 | What is culture? Discuss how it influences on health and disease condition. | 25 |

**Answer following Short Questions**

- |     |                     |    |
|-----|---------------------|----|
| Q.3 | Water purification  | 10 |
| Q.4 | Green-house effect  | 10 |
| Q.5 | Meta-analysis       | 10 |
| Q.6 | Population control  | 10 |
| Q.7 | Genetics and Health | 10 |

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**Narsinhbhai Patel Dental college & Hospital, Visnagar**  
**M.D.S. – Part-II – EXAMINATION – 2023**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070202**  
**Subject Name: Paper-II**  
**Time: 3 Hrs.**

**Date: 28/03/2023**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1 Write the 'Milestones in Dental Public Health. 25
- Q.2 Discuss the recent trends in oral cancer and its prevention in India. 25

**Answer following Short Questions**

- Q.3 Animal studies for dental caries 10
- Q.4 Controversy about benefits of fluoridation 10
- Q.5 Role of dental plaque in periodontal disease 10
- Q.6 School Dental Health Programs in Asia 10
- Q.7 Behaviour modification techniques 10

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**Narsinhbhai Patel Dental college & Hospital, Visnagar**  
**M.D.S. – Part-II – EXAMINATION – 2023**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070203**  
**Subject Name: Paper-III**  
**Time: 3 Hrs.**

**Date:29/03/2023**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Essay Questions ( Any Two out of Three)**

100 Marks

- |     |  |    |
|-----|--|----|
| Q.1 | Critical evaluation of Dental caries indices | 50 |
| Q.2 | Role of Dentist in disaster management       | 50 |
| Q.3 | Prevention of Covid-19                       | 50 |

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. -1sr Year, Part (I) – EXAMINATION, July-September 2022**

**Specialization: Public Health Dentistry**

**Date: 13/9/2022**

**Subject Code: 2DS2070101**

**Subject Name: Paper 1**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

- |   |           |
|---|-----------|
| <b>Q.1</b> Trigeminal nerve   | <b>10</b> |
| <b>Q.2</b> Enumerate the various types of hypothesis and its application in dental research.                        | <b>10</b> |
| <b>Q.3</b> Steps in investigation of a pandemic   | <b>10</b> |
| <b>Q.4</b> Describe the origin, insertion, nerve supply and actions of muscles of mastication                       | <b>10</b> |
| <b>Q.5</b> Describe external carotid artery. Discuss about its parts, course, branches, relations & applied anatomy | <b>10</b> |
| <b>Q.6</b> Explain amelogenesis and life cycle of ameloblast with suitable diagrams                                 | <b>10</b> |
| <b>Q.7</b> Classify oral mucous membrane. Describe in detail about masticatory mucosa                               | <b>10</b> |
| <b>Q.8</b> Histology of gingiva   | <b>10</b> |
| <b>Q.9</b> Write in detail about the development, function and histology of periodontal ligament                    | <b>10</b> |
| <b>Q.10</b> Theories of dentin hypersensitivity   | <b>10</b> |

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part-II – EXAMINATION – JULY - SEPT 2022**

**Specialization: Public Health Dentistry**

**Date: 07/07/2022**

**Subject Code: 2DS2070203**

**Subject Name: Paper III**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt any two questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Essay Questions (Any Two out of Three)**

100 Marks

- Q.1 Discuss the models for Health Education. Elaborate on approach and methods for imparting health education in community setting. 50
- Q.2 Discuss the role and impact of social and economic stratification on utilization of healthcare services 50
- Q.3 Equitable distribution of oral health care delivery in India 50

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part-II – EXAMINATION – JULY - SEPT 2022**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070202**  
**Subject Name: Paper II**  
**Time: 3 Hrs.**

**Date:05/07/2022**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1 Discuss "Epidemiology of Dental Fluorosis". Add a note on home techniques for Defluoridation of water. 25
- Q.2 Limitations to Dental Insurance in India 25

**Answer following Short Questions**

- Q.3 Sugar substitutes 10
- Q.4 MPOWER for Tobacco Control 10
- Q.5 Pathfinder Survey 10
- Q.6 Saliva and Oral Health 10
- Q.7 Caries Risk Assessment 10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part-II – EXAMINATION – JULY - SEPT 2022**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070201**  
**Subject Name: Paper I**  
**Time: 3 Hrs.**

**Date:02/07/2022**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1 Discuss the modes of transmission of disease. Describe in detail the steps to control the spread of an epidemic. 25
- Q.2 Discuss in detail ethical considerations in research, highlighting historical researches that lead to development of a Universal Code of Ethics for Research on Human subjects. 25

**Answer following Short Questions**

- Q.3 Common Risk Factor Approach 10
- Q.4 Nutritional Indicators 10
- Q.5 Demographic cycle 10
- Q.6 Target Groups 10
- Q.7 Disease Surveillance 10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. -1st Year, Part (I) – EXAMINATION, July-September 2021**

**Specialization: Pediatric Dentistry**

**Date: 29 /6/2021**

**Subject Code: 2DS2080101**

**Subject Name: Paper-I**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

Q.1	Role of copper and zinc in oral health	10
Q.2	Anticoagulants	10
Q.3	Tongue anomalies and its management in children	10
Q.4	Role of NSAIDs and opiod analgesics in Pain management	10
Q.5	Waldeyers ring	10
Q.6	Importance of coagulation profile test	10
Q.7	Neutropenia and oral manifestations	10
Q.8	Antimicrobial resistance	10
Q.9	Obligate aerobes and obligate anaerobes in oral cavity	10
Q.10	Local anesthesia anaphylaxis	10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. -1sr Year, Part (I) – EXAMINATION, July-September 2021**

**Specialization: Public Health Dentistry**

**Date: 29/6/2021**

**Subject Code: 2DS2070101**

**Subject Name: Paper 1**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

- |      |   |    |
|------|---|----|
| Q.1  | Describe the origin, insertion, and nerve supply of Muscles of Mastication and add a note on the applied aspect | 10 |
| Q.2  | Define Sampling and Describe various methods of sampling  | 10 |
| Q.3  | Define Blood Pressure and explain the mechanism of regulation of BP   | 10 |
| Q.4  | Trigeminal Neuralgia  | 10 |
| Q.5  | Wound Healing   | 10 |
| Q.6  | Saliva in oral health and disease.  | 10 |
| Q.7  | Tests to determine Nutritional Status   | 10 |
| Q.8  | Infection Control   | 10 |
| Q.9  | Normal Curve  | 10 |
| Q.10 | Role of Public health Dentist in Covid-19 Pandemic  | 10 |

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – 3<sup>rd</sup> Year Part-II – EXAMINATION, July - September 2021**

**Specialization: PUBLIC HEALTH DENTISTRY**

**Date: 2/7/ 2021**

**Subject Code: 2DS2070203**

**Subject Name: Paper- III**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt any TWO questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Essay Questions (Any Two out of Three)**

**100 Marks**

**Q.1 Recent developments in Preventive Dentistry**

**50**

**Q.2 Fluoride: Boon or Bane**

**50**

**Q.3 Outbreak Investigation**

**50**

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – 3<sup>rd</sup> Year Part-II – EXAMINATION, July - September 2021**

**Specialization: PUBLIC HEALTH DENTISTRY**

**Date: 30/6/ 2021**

**Subject Code: 2DS2070202**

**Subject Name: Paper- II**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- Q.1** What makes dental diseases un-insurable? Discuss in detail the feasibility and plausibility of dental insurance in India. **25**
- Q.2** Critically Appraise the Indices used for assessment of Dental Caries **25**

**Answer following Short Questions**

- Q.3** Periodontal Risk Assessment **10**
- Q.4** Sugar substitutes **10**
- Q.5** Planning Cycle **10**
- Q.6** Indian Oral Cancer **10**
- Q.7** Fluoride Bomb **10**

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – 3<sup>rd</sup> Year Part-II – EXAMINATION, July - September 2021**

**Specialization: PUBLIC HEALTH DENTISTRY**

**Date:28/6/ 2021**

**Subject Code: 2DS2070201**

**Subject Name: Paper- I**

**Time: 3 Hrs.**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following Long Questions**

- |   |           |
|---|-----------|
| <b>Q.1</b> Discuss in detail the National Health Programs   | <b>25</b> |
| <b>Q.2</b> Describe briefly Protein Energy Malnutrition. Add a note on its impact on oral health. | <b>25</b> |

**Answer following Short Questions**

- |   |           |
|---|-----------|
| <b>Q.3</b> Herd Immunity                          | <b>10</b> |
| <b>Q.4</b> Screening for Disease                  | <b>10</b> |
| <b>Q.5</b> ASHA                                   | <b>10</b> |
| <b>Q.6</b> Bradford Hill's Criteria for Causality | <b>10</b> |
| <b>Q.7</b> Common Risk Factor Approach (CRFA)     | <b>10</b> |

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part (1) – EXAMINATION, December-2020**

**Specialization: Public Health Dentistry**  
**Subject Code: 2DS2070101**  
**Subject Name: Applied basic sciences**  
**Time: 3hr**

**Date: 21/12/ 2020**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

<b>Answer following questions</b>	<b>Marks</b>
Q.1 Assessment of risk factors for early childhood caries among preschool children in anganwadi centre in urban city. Discuss the Research design, methodology and statistics in detail	10
Q.2 Hypersensitivity reaction and its management	10
Q.3 Describe various human races and the importance of races in dentistry	10
Q.4 Blood transfusion, precaution methods and screening procedures to be followed during blood transfusion	10
Q.5 Role of vitamins in oral health and disease	10
Q.6 Concepts of immune system	10
Q.7 Antibiotic policy	10
Q.8 Development of palate	10
Q.9 Endocrine regulation of blood sugar	10
Q.10 Fundamentals of Genetics	10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. – Part (1) – EXAMINATION, JULY-AUGUST-2020**

**Specialization: Public Health Dentistry**

**Date: 25/08/ 2020**

**Subject Code: 2DS2070101**

**Subject Name: Applied basic sciences**

**Time: 3hr**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

**Marks**

Q.1 Write in detail about Questionnaire- based research studies	10
Q.2 Cleft lip and Cleft Palate	10
Q.3 Oral Manifestations of AIDS	10
Q.4 Oral Microflora and its significance	10
Q.5 ANOVA and Post-Hoc Analyses	10
Q.6 Pain Pathway and Applied Aspects	10
Q.7 Innervation of Tongue and Applied Aspects	10
Q.8 Body Mass Index and its Applied aspects	10
Q.9 Syncope and its management in dental office	10
Q.10 Calcium Metabolism and Applied Aspects	10

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**SANKALCHAND PATEL UNIVERSITY**  
**M.D.S. 1st Year – Part (1) – EXAMINATION JUNE-JULY 2019**

**Specialization: Public Health Dentistry**

**Date: 10/06/ 2019**

**Subject Code: 2DS2070101**

**Subject Name: Applied Basic Sciences, Paper - 1**

**Time: 3 hours**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

**Answer following questions**

- |  |           |
|--|-----------|
| <b>Q.1</b> Development of face and its applied anatomy                     | <b>10</b> |
| <b>Q.2</b> Applied physiology and biochemistry of vitamins and minerals    | <b>10</b> |
| <b>Q.3</b> Applied pathology of hemmorage and shock                        | <b>10</b> |
| <b>Q.4</b> Auto immune disease and its application in dental public health | <b>10</b> |
| <b>Q.5</b> Emergency drugs in dental public health                         | <b>10</b> |
| <b>Q.6</b> Recent advances in health informatics                           | <b>10</b> |
| <b>Q.7</b> Importance of vaidity and reliability in dental research        | <b>10</b> |
| <b>Q.8</b> Viral infections and its treatment                              | <b>10</b> |
| <b>Q.9</b> Chemical mediators of inflammation                              | <b>10</b> |
| <b>Q.10</b> Histology of periodontium                                      | <b>10</b> |

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**M-14107**

Seat No. \_\_\_\_\_

**M. D. S. Examination**

**June / July - 2018**

**Paper - I : Public Health Dentistry**

Time : 3 Hours]

[Total Marks : 75

Long essays :

**20×2=40**

- (1) Saliva – magical fluid.
- (2) Describe the development of face and its anomalies.

Short essays :

**7×5=35**

- (1) Kappa statistics – an important step. Justify.
- (2) Krebs cycle
- (3) Balanced diet
- (4) Oral microflora
- (5) Antibiotic use and abuse.



**MB-14116**

Seat No. \_\_\_\_\_

**M. D. S. Examination**

**June / July - 2018**

**Public Health Dentistry : Paper - II**

Time : 3 Hours]

[Total Marks : 75

Long Essay :

**20×2=40**

- (1) Anthropology's contribution to Public Health Policy Development.
- (2) Health System in India, Crisis and Alternatives.

Short Essay :

**7×5=35**

- (1) Concept Mapping : a graphical tool to reinforce learning of epidemiological concepts.
  - (2) Need of Biomedical Waste Management System in Hospitals.
  - (3) Health promotion and disease prevention
  - (4) Role of Dentist in Disaster Management
  - (5) Gene therapy.
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MD-14125

Seat No. \_\_\_\_\_

**M. D. S. Examination**

**June / July - 2018**

**Paper - III : Public Health Dentistry**

Time : 3 Hours]

[Total Marks : 75

Long Essays :

**20×2=40**

- 1 Changing scenario of dentistry in modern times.
- 2 Social Inequality – Reality or Artifact.

Short Essays :

**7×5=35**

- 1 Fluoride lobby is it justified.
- 2 Discuss the current status of 'Pit and Fissure Sealants in dental Caries prevention.
- 3 Strategies for the prevention of oral cancer in India.
- 4 Comprehensive dental care of Disabled Children in India
- 5 Outreach programs – revisions required.



**ME-14134**      Seat No. \_\_\_\_\_

**M. D. S. Examination**

**June / July - 2018**

**Public Health Dentistry : Paper - IV**

Time : 3 Hours]

[Total Marks : 75

**Instruction :** Answer any one of the questions.

Essays : **75×1=75**

- 1 Critically appraise the indices used in epidemiological studies.
  
  - 2 Scope of research in current era. Its implication on public health.
-