

Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – June 2012

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define the Defluoridation of water. Describe the procedure of water defluoridation by the Nalgonda technique.
2. Define Epidemiology. Write in detail steps of descriptive epidemiology with an example.

SHORT ESSAYS

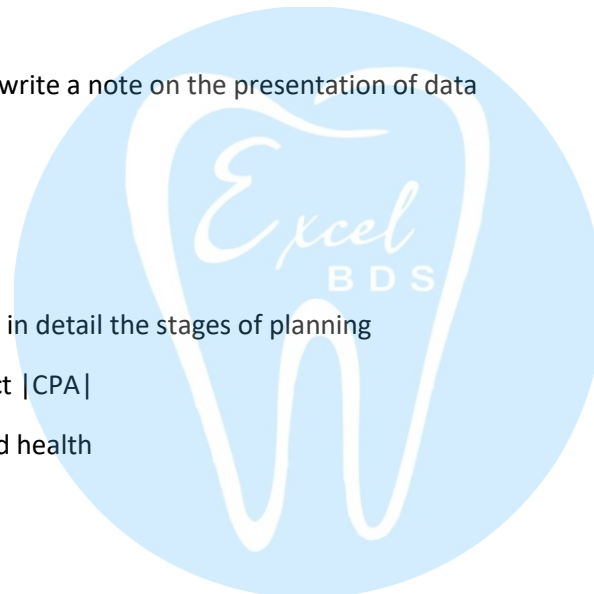
8X5=40 Marks

3. Define Biostatistics and write a note on the presentation of data
4. Carnes activity tests
5. Dean's 21 cities study
6. Oral hygiene aids
7. Define planning. Explain in detail the stages of planning
8. Consumer Protection Act [CPA]
9. Socoeconomic Status and health
10. Acute Fluoride toxicity

SHORT ANSWERS

(5X2=10 Marks)

11. Differences between case-control & cohort studies
12. Iceberg phenomenon
13. Schnutzdccke layer
14. Functions of Indian Dental Association
15. Berksunian bias



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2013

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define survey. Explain in detail the steps in a survey.
2. Define Health Education. Write in detail about principles of health education

SHORT ESSAYS

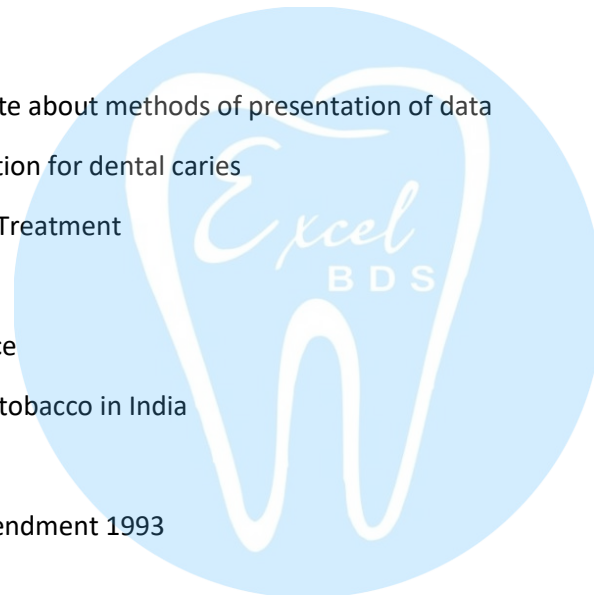
8X5=40 Marks

3. Define Biostatistics. Write about methods of presentation of data
4. Explain levels of prevention for dental caries
5. Atraumatic Restorative Treatment
6. WHO index age groups
7. Incidence and prevalence
8. Smoked and Smokeless tobacco in India
9. Stephen's curve?
10. Dentist Act [India] Amendment 1993

SHORT ANSWERS

(5X2=10 Marks)

11. Consent
12. Universal Precautions
13. Pincushion effect
14. Usual Customary Reasonable fees
15. Hopewood House Study



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2013

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define health education and describe its objectives and principles in detail.
2. What is the mechanism of action of fluoride in caries reduction? Discuss various professionally applied fluoride delivery methods in detail.

SHORT ESSAYS

8X5=40 Marks

3. Dental Council of India
4. Descriptive epidemiology
5. Measures of dispersion
6. Pathfinder survey
7. Describe various mechanical methods of plaque control.
8. Levels of prevention
9. School dental nurse
10. Atraumatic restorative treatment



SHORT ANSWERS

(5X2=10 Marks)

11. Comprehension in health education
12. Four-handed dentistry
13. Shoe leather survey
14. Bimodality
15. Delta dental plans

Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JUNE/JULY- 2014

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

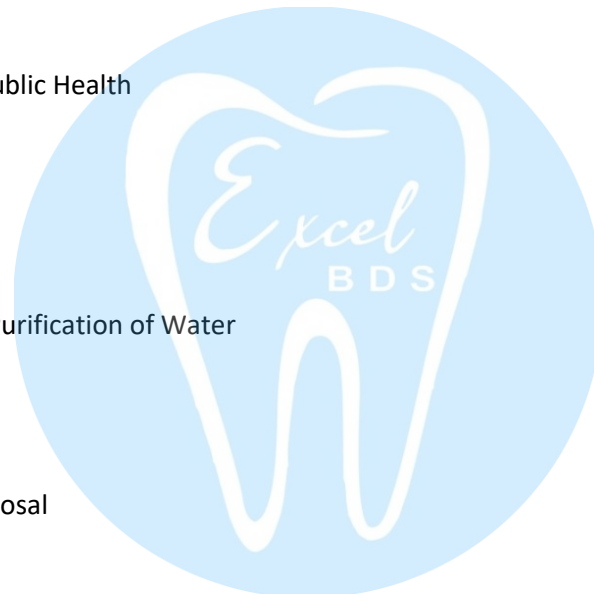
2X10 = 20 Marks

1. Define Primary Health Care. Describe in detail the various Principles of Primary Health care.
2. Define Dental Auxiliaries. Describe in detail the various types of Non-operating type or Dental Auxiliaries.

SHORT ESSAYS

8X5=40 Marks

3. Changing concepts of Public Health
4. Uses of Epidemiology
5. Types of Data
6. Disclosing agents
7. Role of Chlorination in Purification of Water
8. Space maintainers
9. Screening.
10. Biomedical Waste Disposal



SHORT ANSWERS

(5X2=10 Marks)

11. Blinding
12. Triclosan.
13. Functions of Dental Council of India
14. Odd's Ratio
15. Physiological Barrier in Health Education

Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2015

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Describe in detail the various methods of Purification of Water on a large scale.
2. Define Epidemiology. Describe in detail the various steps in a Descriptive Epidemiological study.

SHORT ESSAYS

8X5=40 Marks

3. Difference between Public Health and Private Practice
4. Caries mechanism of action of Fluorides
5. Chemical Plaque Control Agents
6. Types of Examination in Survey
7. Tattle Tooth School Dental Health Program
8. Occupational Hazards in Dentistry
9. Screening tests for Oral Cancer
10. Expanded Functional Dental Auxiliaries

SHORT ANSWERS

(5X2=10 Marks)

11. Capitation Plans
12. Informed Consent
13. Mode
14. Incidence
15. World Health Day



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2015

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Classify the various delivery methods of Fluorides in Dentistry. Describe in detail the various methods of professionally applied Topical Fluoride delivery systems.
2. Describe in detail the various modalities of Payments in the Dental Care delivery system.

SHORT ESSAYS

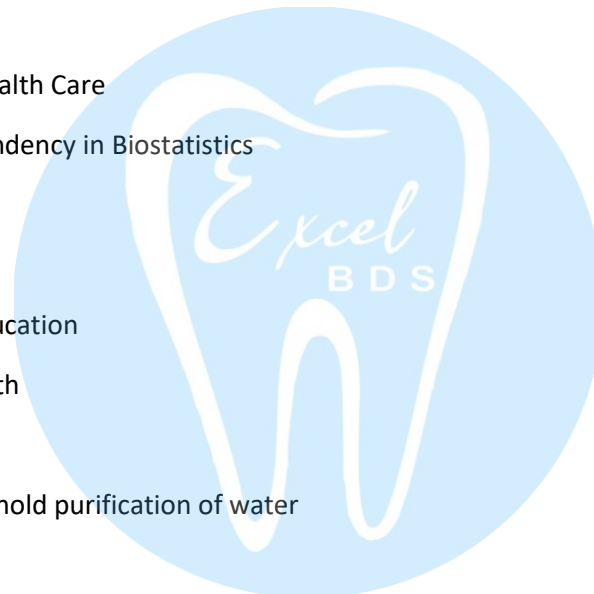
8X5=40 Marks

3. Principles of Primary Health Care
4. Measures of Central Tendency in Biostatistics
5. Dental Floss
6. Methods of Evaluation
7. Visual aids in Health Education
8. Sociology and Oral Health
9. Caries vaccine
10. Write briefly on household purification of water

SHORT ANSWERS

(5X2=10 Marks)

11. Backwashing
12. compost
13. American Dental Association specification for Toothbrushes
14. Recall Bias
15. Definition of Health according to the World Health Organization



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2016

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define surveying. How will you estimate the prevalence of dental caries among school children in your area?
2. What is potable water? Explain the steps involved in the purification of water on a Large Scale.

SHORT ESSAYS

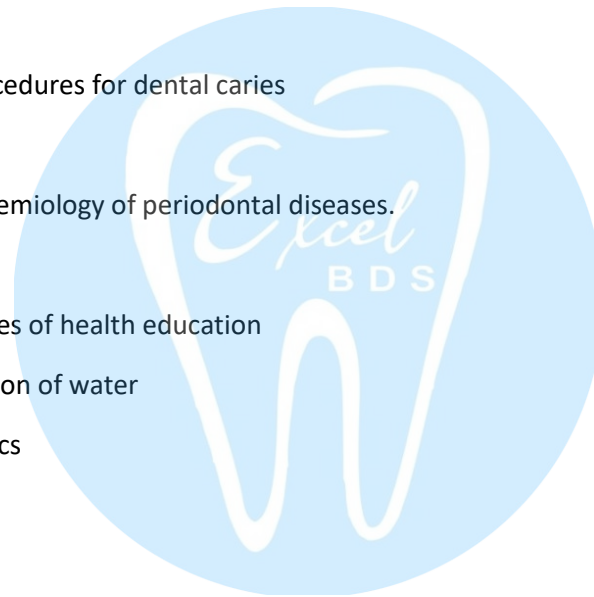
8X5=40 Marks

3. Primary prevention procedures for dental caries
4. Disposal of solid wastes
5. Host Factors in the Epidemiology of periodontal diseases.
6. CPI index
7. Write briefly on Principles of health education
8. Methods of Defluoridation of water
9. Dental professional ethics
10. Pit and fissure sealants

SHORT ANSWERS

(5X2=10 Marks)

11. Tools of dental public health
12. Steps in conducting a randomized controlled trial
13. Quarantine
14. Importance of dental camps
15. Expanded Function Dental Auxiliary



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2016

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define Health Education. Describe in detail the Principles of Health Education.
2. Compare Cohort and Case-Control Studies with examples.

SHORT ESSAYS

8X5=40 Marks

3. Principles of Primary Health Care
4. Cultural effects in Oral Health and Disease
5. Payments in Dental Care practice
6. Host factors in Dental Caries Occurrence
7. steps in Survey
8. Ethical principles in Dental practice.
9. National Health Programmes in India.
10. Professionally applied Topical Fluorides

SHORT ANSWERS

(5X2=10 Marks)

11. World Health Organization
12. Oral manifestation of AIDS
13. Chi-Square Test
14. Summative Evaluation
15. Concepts of Health



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2017

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. What is epidemiology? Classify different types of epidemiological investigations and describe analytical epidemiology in detail.
2. What is an index? Give broad classification of indices used for dental epidemiological investigation and state the ideal requirements of an index

SHORT ESSAYS

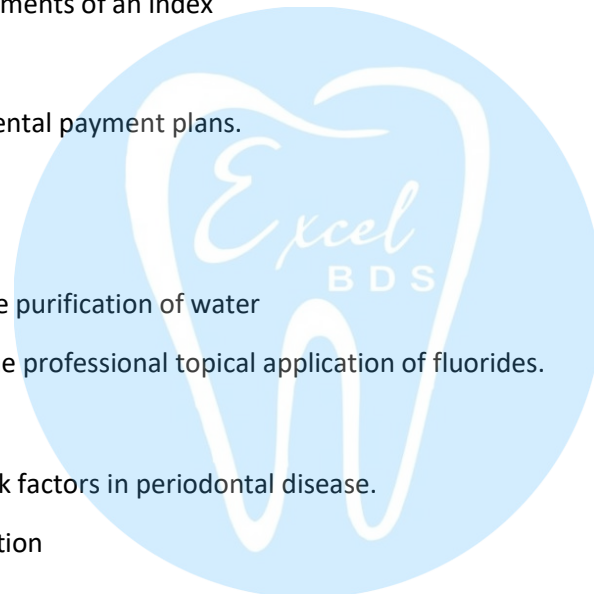
8X5=40 Marks

3. Write a short note on dental payment plans.
4. Sampling techniques
5. IDA
6. Short note on large scale purification of water
7. Write a short note on the professional topical application of fluorides.
8. Operating auxiliaries
9. Write a note on local risk factors in periodontal disease.
10. Barriers in communication

SHORT ANSWERS

(5X2=10 Marks)

11. Advantages of ART
12. Primary prevention
13. Importance of Dental camps
14. Incidence
15. Cariogram



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2017

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. What is data? Give its type and describe the various ways of presentation of data.
2. Describe the steps in surveying and write in detail about the pathfinder survey.

SHORT ESSAYS

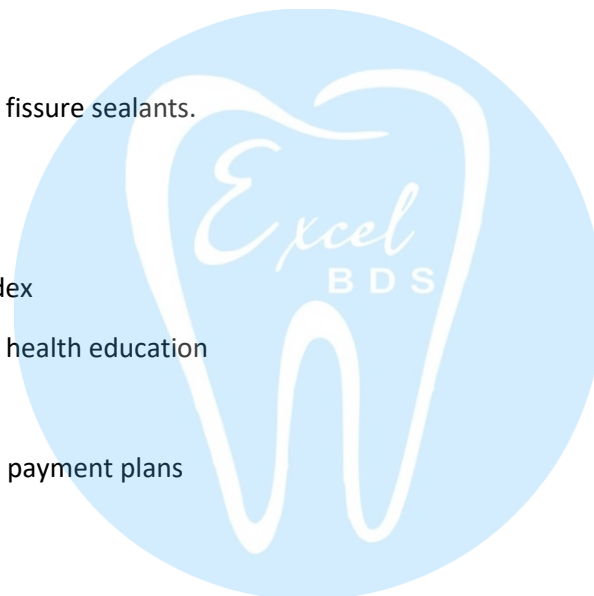
8X5=40 Marks

3. Disclosing agent
4. Write in brief on pit and fissure sealants.
5. WHO
6. Nalgonda technique
7. Ideal requisites of an index
8. Educational aids used in health education
9. Disposal of waste.
10. Write briefly on Dental payment plans

SHORT ANSWERS

(5X2=10 Marks)

11. Iceberg of disease
12. Denturism
13. Odds ratio
14. Name the various ethical principles
15. Fluoride varnish



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2018

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Why Sampling is carried out in Research? Write in detail about different Sampling methodologies for example.
2. What are the mechanism of action of Fluorides on Dental Caries? Briefly explain Topical Fluorides used to Prevent Dental Caries in Community.

SHORT ESSAYS

8X5=40 Marks

3. Descriptive Epidemiological method
4. Clinical Dentistry v/s Public Health approaches
5. National Health Programs of India
6. Oral Hygiene Aids
7. Disposal of solid waste
8. Pit and Fissure Sealants
9. Diet and Dental Caries Studies
10. Indicators for Health

SHORT ANSWERS

(5X2=10 Marks)

11. Define Primary health care
12. Third-party payments for Dental Care
13. Didactic method of Health Education.
14. Enumerate the Oral Hygiene Indices
15. Steps in Planning



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2018

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Classify epidemiological methods. Discuss in detail the case-control study.
2. Classify Topical Fluorides. Discuss in detail various topical fluorides In prevention of Dental caries.

SHORT ESSAYS

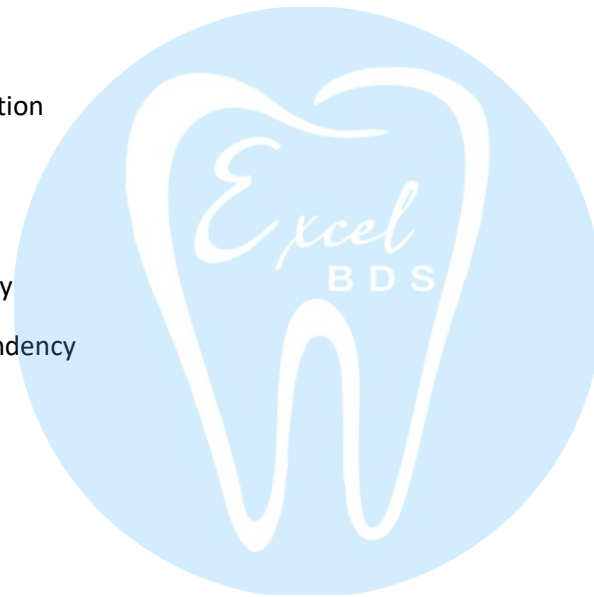
8X5=40 Marks

3. Health indicators
4. Barriers in health education
5. Vipeholm study
6. Pathfinder survey
7. Sensitivity and Specificity
8. Measures of Central Tendency
9. CPITN index
10. Rapid sand filtration

SHORT ANSWERS

(5X2=10 Marks)

11. Group insurance
12. Define dental public health.
13. Risk factors
14. Monitoring and surveillance
15. Xylitol



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – JULY- 2019

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Classify Dental Auxiliaries. Discuss in detail the different types of auxiliaries in Dentistry.
2. Classify Sampling methods. Discuss in detail various sampling methods in Dental Research.

SHORT ESSAYS

8X5=40 Marks

3. Brudevold's solution
4. Discuss Principles of Ethics.
5. Categories of Hospital Waste
6. Evaluation
7. Uses of epidemiology
8. Measures of Dispersion
9. Dental Insurance
10. Small Scale Purification of Water



SHORT ANSWERS

(5X2=10 Marks)

11. Types of examination
12. Define Primary Health Care
13. Rate and Ratio
14. Blinding
15. Specificity

Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DECEMBER- 2019

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define epidemiology and discuss it in a detailed cohort study with relevant examples.
2. Define health education and discuss principles of health education. Enlist health education AIDS

SHORT ESSAYS

8X5=40 Marks

3. Knutson's Technique
4. Discuss Principles of Primary Health Care
5. Discuss prevalence and incidence.
6. Changing concept of Public Health
7. Incremental Dental Care.
8. Normal Distribution Curve.
9. 90th percentile.
10. Chlorination.

SHORT ANSWERS

(5X2=10 Marks)

11. Snowball sampling.
12. Define Public Health.
13. Incineration.
14. Cold Chain.
15. Sensitivity.



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – Aril-2021

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Classify health care delivery system. Write in detail about primary level care in India.
2. Define pit and fissure sealant. Classify pit and fissure sealants. Discuss in detail technique in sealant placement.

SHORT ESSAYS.

3. Discuss tests of significance.
4. Discuss iceberg phenomenon.
5. Discuss determinants of Health.
6. Discuss tooth brushing methods .
7. Discuss Medicare and Medicaid program.
8. Discuss the conclusions of vipeholm studies.
9. Discuss difference between rapid and slow sand filters.
10. Discuss differences between systemic and topical fluorides.

SHORT ANSWERS.

11. Enumerate types of Blinding.
12. Enumerate any two elements of primary health care.
13. Enumerate any two advantages of urban dental practice.
14. Enumerate principles of Atraumatic Restorative treatment .
15. Enumerate any two uses of caries activity test for clinicians.



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – NOVEMBER-2020

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define epidemiology. Discuss host factors in the epidemiology of Dental Caries and Periodontal disease.
2. Define Dental Auxiliaries. Describe in detail the various types of Operating types of Dental Auxiliaries.

SHORT ESSAYS

8X5=40 Marks

3. Atraumatic Restorative Treatment (ART).
4. Oral Hygiene Index - Simplified (OHI-S).
5. Ethical principles.
6. Defluoridation.
7. Sampling methods.
8. Health indicators.
9. Tobacco cessation counseling.
10. Steps in Evaluation.

SHORT ANSWERS

(5X2=10 Marks)

11. Dentist's Act.
12. UCR fees.
13. Sugar Substitutes.
14. Comprehensive Dental Care.
15. Index Age Groups.



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – FEB 2021

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. classify various plaque control measures. Explain the mechanism of action of chlorhexidine.
2. Write in detail the steps, advantage and disadvantage of conducting a case control investigations.

SHORT ESSAYS

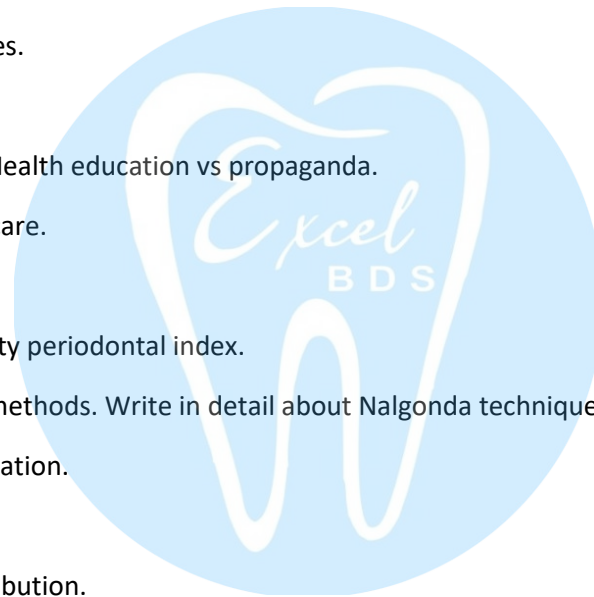
8X5=40 Marks

3. Uses or Migration studies.
4. Controlled tipping.
5. Compare and contrast Health education vs propaganda.
6. Comprehensive health care.
7. 90^o percentile.
8. Index teeth in community periodontal index.
9. Classify defluoridation methods. Write in detail about Nalgonda technique.
10. Barriers to health education.

SHORT ANSWERS

(5X2=10 Marks)

11. Discuss equitable distribution.
12. Types of data collection.
13. Types of random sampling.
14. Principles of primary health care.
15. Functions of world health organization.



Rajiv Gandhi University of Health Sciences, Karnataka

IV B.D.S Degree Examination – DEC 2021

Time: Three Hours

Max. Marks: 70 Marks

PUBLIC HEALTH DENTISTRY (RS3)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY

2X10 = 20 Marks

1. Define health education. Write in detail about different methods of health education.
2. Define water fluoridation. Discuss history of water fluoridation and add a note on toxicity of fluorides.

SHORT ESSAYS

8X5=40 Marks

3. Compare and contrast topical vs systemic fluorides.
4. Enumerate the types of CPITN probes. Add a note on probing methods.
5. Classify sampling methods. Discuss about random sampling methods.
6. Changing concepts in health.
7. Define primary health care. Discuss the principles of primary health care.
8. Enumerate levels of prevention. Discuss about primary level prevention for dental caries.
9. Functions of school dental nurse New Zealand type.
10. Mechanism of payments for dental care.

SHORT ANSWERS

(5X2=10 Marks)

11. Calculations of odds ratios.
12. Components of physical quality of life index.
13. Safe and wholesome water.
14. Properties of Gaussian distribution.
15. Principles of Atraumatic Restorative Treatment.



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