

**JSS UNIVERSITY, MYSORE**

Fourth Year BDS Examination- June 2012

**Subject: Periodontology**

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

**I. LONG ESSAYS**

2x10=20 Marks

1. Define plaque biofilm. Write in detail about the plaque formation at the ultra structural level. Add a note on non-specific and specific plaque hypothesis.
2. Define mucogingival surgery. Enumerate the different types of mucogingival surgeries and write in detail about sub epithelial connective tissue graft procedure.

**II. SHORT ESSAYS**

6x5=30 Marks

3. Classification of gingival recession.
4. Define gingivectomy. What are its indications and contraindications?
5. Generation classification of periodontal probes.
6. Periocoronitis.
7. Osseous defects.
8. Osseointegration.

**III. SHORT ANSWERS**

10x2=20 Marks

9. Width of attached gingiva.
10. Fenestration and dehiscence.
11. Fremitus.
12. Types of embrasures with their corresponding interdental aids.
13. Types of ultrasonic scalers.
14. Current status of gingival curettage.
15. Atridox.
16. Osteoplasty and ostectomy.
17. Primary features of aggressive periodontitis.
18. Red complex.

QP Code: 1215

## JSS UNIVERSITY, MYSORE

Fourth Year BDS Examination- June 2012

Subject: Oral Medicine & Radiology

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

### I. LONG ESSAYS

2x10=20 Marks

1. Classify white lesions of the oral cavity. Discuss the etiology, clinical features, diagnosis and management of candidiasis.
2. Describe the principles of projection geometry. Write in detail the difference between paralleling and bisecting technique.

### II. SHORT ESSAYS

6x5=30 Marks

3. Radicular cyst.
4. Vitality test.
5. Herpes zoster infection.
6. Hepatitis-B.
7. Occlusal radiography.
8. Collimators.

### III. SHORT ANSWERS

10x2=20 Marks

9. Lipoma.
10. Halitosis.
11. Mucocele.
12. Sialogogues.
13. Dental management of pregnant patient.
14. Gingivitis.
15. Compton effect.
16. Filters.
17. Causes of dark radiograph.
18. Ideal requirement of target material.

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## JSS UNIVERSITY, MYSORE

Fourth Year BDS Examination - June 2012

Subject: Conservative Dentistry and Endodontics

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

### I. LONG ESSAYS

2x10=20 Marks

1. Write G V Black's classifications of cavity. Describe in detail about fundamentals of cavity preparations for class II cavity for silver amalgam.
2. Define working length determination. Enumerate various methods of working length determination.

### II. SHORT ESSAYS

6x5=30 Marks

3. Apexification.
4. Phoenix abscess.
5. Weeping canal.
6. Metal modified glass ionomers.
7. Mercury hygiene.
8. Compomers.

### III. SHORT ANSWERS

10x2=20 Marks

9. Types and functions of wedges.
10. Composition of dycal.
11. Excavators.
12. Abfraction.
13. Black's matrix.
14. Test cavity.
15. Chelating agent.
16. Mummifying agents.
17. Smear layer.
18. Thermoplasticized gutta percha.

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## JSS UNIVERSITY, MYSORE

Fourth Year BDS Examination - June 2012

Subject: Prosthodontics & Crown and Bridge

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

### I. LONG ESSAYS

2x10=20 Marks

1. Describe in detail the principles of tooth preparation.
2. Define articulator. Discuss the classification, requirements and functions of articulators.

### II. SHORT ESSAYS

6x5=30 Marks

3. Orientation jaw relation.
4. Complete denture impression techniques.
5. Surveyor.
6. Management of endodontically treated teeth.
7. Minor connectors.
8. Posterior teeth selection.

### III. SHORT ANSWERS

10x2=20 Marks

9. Disinfection of impression materials.
10. Different spacer designs.
11. Shade selection.
12. Maxillary anatomical landmarks.
13. Post denture insertion complaints.
14. Pier abutments.
15. Dual impression technique.
16. Increased vertical jaw relation.
17. Finish lines.
18. Balanced occlusion.

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# JSS UNIVERSITY, MYSORE

Fourth Year BDS Examination - June 2012

Subject: Pediatric & Preventive Dentistry

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

## I. LONG ESSAYS

2x10=20 Marks

1. Define habits. Classify habits. Explain in detail tongue thrusting habit and its management.
2. Classify traumatic injuries of anterior teeth. How do you manage an 8 yr old child with Ellis class III fracture of upper central incisors?

## II. SHORT ESSAYS

6x5=30 Marks

3. Define pedodontics. Discuss scope, aims and objectives of pedodontics.
4. Mandibular first primary molar.
5. Management of hemophilic child.
6. First dental visit.
7. Growth spurts.
8. Glass ionomer cement in pediatric dentistry.

## III. SHORT ANSWERS

10x2=20 Marks

9. FDI system of tooth identification.
10. SLOB rule.
11. Anticipatory guidance.
12. Choking off phenomenon.
13. Emotional abuse.
14. Caries tetralogy.
15. Disclosing solution.
16. Midazolam.
17. Tell show do.
18. IQ.

**JSS UNIVERSITY, MYSORE**

Fourth Year BDS Examination - June 2012

**Subject: Oral & maxillofacial surgery**

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

**I. LONG ESSAYS**

2x10=20 Marks

1. Write in detail about the contraindications, uses and maximum recommended dosage of vasoconstrictor used with lignocaine HCl and a note on felypressin.
2. Classify zygomatic fractures. Discuss the clinical features, investigations and Gillie's temporal approach for the management of zygomatic arch fracture.

**II. SHORT ESSAYS**

6x5=30 Marks

3. Transalveolar extraction.
4. Modules of emergency drugs.
5. CSF rhinorrhea.
6. Difference between cellulitis and abscess.
7. Favorable and unfavourable angle fractures of mandible.
8. Midazolam.

**III. SHORT ANSWERS**

10x2=20 Marks

9. Newer antibiotics.
10. Patsch II procedure.
11. Differential diagnosis of a cystic lesion based on needle aspiration.
12. Diagnostic nerve block.
13. Principles to be followed while using dental elevators.
14. Alveoloplasty.
15. Metronidazole.
16. Sequestrum and involucrum.
17. Anatomical barriers for the spread of odontogenic infection.
18. Ideal properties of local anesthetic agent.

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# JSS UNIVERSITY, MYSORE

Fourth Year BDS Examination - June 2012

Subject: Orthodontics & Dentofacial Orthopedics

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

## I. LONG ESSAYS

2x10=20 Marks

1. Enumerate the various essential and nonessential diagnostic aids. Describe in detail frontal and profile examination in all the three planes.
2. A twelve year old growing boy reports to your clinic with an overjet of 8mm and a class II molar relation. On examination the patients profile improves on bringing the mandible forward. What will be your treatment plan? Describe any one appliance of your choice in detail.

## II. SHORT ESSAYS

6x5=30 Marks

3. Functional matrix theory.
4. Tweed's analysis.
5. Angle's classification.
6. Frontal resorption.
7. Hawley's retainer.
8. Buccinator mechanism.

## III. SHORT ANSWERS

10x2=20 Marks

9. Face mask.
10. Tipping movement.
11. Scope of orthodontics.
12. Ugly duckling stage.
13. Thumb sucking habit.
14. Simple anchorage.
15. Modifications of Adam's clasp.
16. Frenectomy.
17. Cross bite.
18. Serial extraction.

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June 2012 to June 2016

QP Code: 1212

**JSS UNIVERSITY, MYSORE**

Fourth Year BDS Examination - June 2012

Subject: Public Health Dentistry

*Note: All questions are compulsory.  
Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.*

Time: 3 hours

Max. Marks: 70

**I. LONG ESSAYS**

2x10=20 Marks

1. Explain planning cycle.
2. Compare and contrast case control and cohort studies.

**II. SHORT ESSAYS**

6x5=30 Marks

3. Normal curve.
4. Uses of epidemiology.
5. Loss of attachment index.
6. Systemic fluorides.
7. Qualities of a public health dentist.
8. Nalgonda technique.

**III. SHORT ANSWERS**

10x2=20 Marks

9. Measures of central tendency.
10. Define cohort.
11. 90<sup>th</sup> percentile.
12. Group practice.
13. Salt fluoridation.
14. Shoe leather survey.
15. Audio visual aids.
16. Dental receptionist.
17. Multiphase sampling.
18. Levels of prevention.