

**JSS Academy of Higher Education and Research**  
**Fourth Year BDS Examination - December 2018**

**Subject: Paediatric & 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 rampant caries. A two-year-old child reports with a complaint of blackish discoloration of upper central incisors - evaluate the case and explain step by step management of the problem. (3+3+4)
2. Define and classify oral habits. Describe the aetiology, clinical features and management of thumb sucking habit. (3+2+2+3)

**II. SHORT ESSAYS**

**6x5=30 Marks**

3. Meckel's cartilage.
4. Von Willebrand disease.
5. Complications of local anaesthesia.
6. Natal and neonatal teeth.
7. Teething disorders.
8. Self-correcting anomalies.

**III. SHORT ANSWERS**

**10x2=20 Marks**

9. Topical fluorides.
10. Diet counselling.
11. Operculectomy.
12. Orthopantomograph.
13. Primate space.
14. Willet's inlay.
15. Stainless steel crown.
16. Acute herpetic gingivostomatitis.
17. Pit and fissure sealants.
18. Caries activity tests.

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**JSS Academy of Higher Education and Research**  
**Fourth Year BDS Examination - December 2018**

**Subject: Prosthodontics and Crown & 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 the principles of retention, support and stability in complete dentures.
2. Describe the principles of tooth preparation in fixed partial dentures.

**(4+3+3)**

**II. SHORT ESSAYS**

**6x5=30 Marks**

3. Selection of artificial anterior teeth.
4. Immediate dentures.
5. Theories of complete denture impression making.
6. Kennedy's classification and Applegate's rules.
7. Altered cast technique.
8. Resin – bonded fixed partial dentures.

**III. SHORT ANSWERS**

**10x2=20 Marks**

9. Rest seat preparation.
10. Hygienic pontic.
11. Relining and rebasing.
12. Osseointegration.
13. Diagnostic study casts.
14. Tripoding.
15. Non – anatomic posterior teeth.
16. Working casts and dies.
17. Face-bow.
18. Denture cleansers.

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**JSS Academy of Higher Education and Research****Fourth Year BDS Examination - December 2018****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. Define reversible and irreversible dental caries. Describe advanced methods of diagnosing dental caries. (3+7)

2. Enumerate techniques of cleaning and shaping of the root canal. Describe the telescopic method of root canal preparation. (4+6)

**II. SHORT ESSAYS****6x5=30 Marks**

3. K-file and its modifications.

4. Self-threading pins.

5. Dentin bonding systems.

6. Pain control during cavity preparation.

7. Electronic apex locators.

8. Selection of master cone.

**III. SHORT ANSWERS****10x2=20 Marks**

9. Direct pulp capping agents.

10. Functions of a matrix band.

11. Sprue former.

12. Electric pulp tests.

13. Lateral condensation method of obturation.

14. Primary retention form.

15. Resin matrix in composites.

16. H-file.

17. Hemisection.

18. Weine's classification of root canal anatomy.

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**JSS Academy of Higher Education and Research**  
**Fourth Year BDS Examination - December 2018**

**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 red and white lesions of the oral cavity. Explain the etiology, clinical features, diagnosis, differential diagnosis and management of oral lichen planus.
2. Define panoramic radiography. Explain the principle, indications, advantages, disadvantages and positional errors in orthopantomogram.

(3+3+2+2)

(2+2+2+2+2)

**II. SHORT ESSAYS**

**6x5=30 Marks**

3. Subluxation.
4. Pleomorphic adenoma.
5. Complex odontoma.
6. Erythroplakia.
7. Compton effect.
8. Factors affecting X-ray production.

**III. SHORT ANSWERS**

**10x2=20 Marks**

9. Halitosis.
10. Fordyce's granules.
11. Oral manifestations of diabetes mellitus.
12. Frey's syndrome.
13. Astringents.
14. Causes of trismus.
15. Composition of developer solution.
16. Methods of radiographic age estimation.
17. Water's view.
18. Radiographic features of periapical cemental dysplasia.

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# JSS Academy of Higher Education and Research

Fourth Year BDS Examination - December 2018

## 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. Classify impactions. Describe the aetiology, diagnosis, assessment and management of impactions. (2+2+2+2+2)
2. Enumerate and explain the theories about mechanism of action of local anaesthetic agents. (4+6)

### II. SHORT ESSAYS

**6x5=30 Marks**

3. Fracture of edentulous mandible.
4. Vestibuloplasty.
5. Healing of tooth extraction sockets.
6. Ludwig's angina.
7. Posterior superior alveolar nerve block.
8. Principles of extraction and elevators.

### III. SHORT ANSWERS

**10x2=20 Marks**

9. Contents of local anaesthetic agent.
10. Trismus.
11. Post extraction edema control.
12. Tori.
13. Caldwell-Luc procedure.
14. Eyelet wiring.
15. Theories of cyst enlargement.
16. Types of biopsy.
17. Axial flap for closure of oro-antral fistula.
18. Enucleation.

**JSS Academy of Higher Education and Research****Fourth Year BDS Examination - December 2018****Subject: Orthodontics & Dentofacial Orthopaedics***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. Mention the aetiology of malocclusion and mention its importance in orthodontics. Classify and describe the local and general etiological factors.
2. Explain the theories of retention.

**(3+3+4)****II. SHORT ESSAYS****6x5=30 Marks**

3. Andrew's six keys of occlusion.
4. Prenatal growth of mandible.
5. Scammon's growth gradient.
6. Sequence of eruption of permanent teeth.
7. Leeway space of Nance.
8. Buccinator mechanism.

**III. SHORT ANSWERS****10x2=20 Marks**

9. Dewey's modification of Angle's classification.
10. Define cross bite and scissors bite.
11. Skeletal analysis of Steiner's.
12. Undermining resorption.
13. Austenitic stainless steel.
14. Jackson's triad.
15. Open bite.
16. Oral screen.
17. Curve of Spee.
18. Poor man's cephalometric analysis.

**JSS Academy of Higher Education and Research**  
**Fourth Year BDS Examination - December 2018**

**Subject: Periodontology**

*Note: All questions are compulsory.  
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 Draw neat labeled diagrams wherever necessary.*

**Time: 3 hours**

**Max. Marks: 70**

**I. LONG ESSAYS**

**2x10=20 Marks**

1. Define and classify prognosis. Explain the factors affecting prognosis. (3+3+4)
2. Define and classify gingival enlargements. Describe the clinical and histological features of drug induced gingival enlargement. (3+2+5)

**II. SHORT ESSAYS**

**6x5=30 Marks**

3. Periodontal abscess.
4. Endo-perio lesions.
5. Necrotizing ulcerative periodontitis.
6. BANA test.
7. Allografts.
8. Gingival curettage.

**III. SHORT ANSWERS**

**10x2=20 Marks**

9. Bundle bone.
10. Steps in resective osseous surgery.
11. Cavitation.
12. Dentinal hypersensitivity.
13. Metronidazole.
14. Dental floss.
15. Gingival pigmentation.
16. Clinical crown v/s anatomic crown.
17. Composition of toothpaste.
18. Effects of mouth breathing on gingiva.

**JSS Academy of Higher Education and Research**  
**Fourth Year BDS Examination - December 2018**

**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. Define health education. Describe the principles of health education.
2. Explain the health care delivery system in India.

**(4+6)**

**II. SHORT ESSAYS**

**6x5=30 Marks**

3. Sampling methods.
4. Pathfinder survey.
5. Uses of epidemiology.
6. Barriers of communication.
7. Mechanisms of payments in dentistry.
8. Functions of Indian Dental Association (IDA).

**III. SHORT ANSWERS**

**10x2=20 Marks**

9. Cohort study.
10. Iceberg phenomenon.
11. Epidemic.
12. Denturist.
13. Mechanism of action of fluoride.
14. Dentifrices.
15. Taboos in dentistry.
16. Principles of primary health care.
17. Chlorination.
18. Culture.

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