

JSS Academy of Higher Education & Research, Mysuru

(Deemed to be University)

Fourth Year BDS Examination – September 2020

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 and classify early childhood caries (ECC). Describe the role of diet in ECC. Add a note on its management. (1+2+5+2)
2. Classify caries diagnostic aids and explain the advantages and limitations of each diagnostic method. Write a note on quantitative light-induced fluorescence (QLF). (2+5+3)

II. SHORT ESSAYS

6x5=30 Marks

3. Self-correcting anomalies in primary and mixed dentition.
4. Indications and contraindications of pulpotomy.
5. Types of space maintainers in upper jaw.
6. Management of open apex in a non-vital permanent incisor.
7. Amelogenesis imperfecta.
8. Thumb sucking habit.

III. SHORT ANSWERS

10x2=20 Marks

9. Ellis type IX injury.
10. Physiological spacing.
11. Phoenix abscess
12. Munchausen syndrome by proxy.
13. Herpetic gingivostomatitis.
14. Bisecting angle technique.
15. Baume's classification.
16. Methods of serial extraction.
17. Paedodontic triangle.
18. Enlow's 'V' principle.

Subject: Prosthodontics and Crown & Bridge**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Describe the maxillary and mandibular impression techniques for edentulous patients. Add a note on the biologic considerations. (7+3)
2. Describe major and minor connectors used in removable partial prosthodontics. (5+5)

II SHORT ESSAYS**4x5 = 20 Marks**

3. Classify partially edentulous arches with illustrations.
4. Types of articulators.
5. Resin bonded fixed partial dentures.
6. Teeth selection for edentulous patients.

III SHORT ANSWERS**10X2 = 20 Marks**

7. Protrusive inter-occlusal record.
8. Interim denture.
9. Clasp.
10. Parts of surveyor.
11. Shoulder finish line.
12. Types of obturators.
13. BULL's law.
14. Prothero's cone theory.
15. Stress breaker.
16. Implant materials.

Subject: Oral Medicine and Radiology**Part II**

- I LONG ESSAYS** **2x10 = 20 Marks**
1. What is acquired immunodeficiency syndrome (AIDS)? Enumerate the oral manifestations and diagnostic tests for AIDS. Add a note on management of such patients in the dental clinic. (2+4+4)
 2. Define processing of a radiographic film. Describe the steps involved in manual processing. Enumerate the faults associated with processing. (2+5+3)
- II SHORT ESSAYS** **4x5 = 20 Marks**
3. Differences between bisecting angle and paralleling techniques.
 4. Management of trigeminal neuralgia.
 5. Recurrent aphthous stomatitis.
 6. Radiographic features of fibrous dysplasia.
- III SHORT ANSWERS** **10X2 = 20 Marks**
7. List four indications for occlusal radiographs.
 8. Enumerate normal variants of the oral mucosa.
 9. Dental complications of herpes zoster.
 10. Filtration.
 11. Ramsay Hunt syndrome.
 12. Radiographic differentiation of periapical granuloma and periapical cyst.
 13. Enumerate four causes of depapillation of tongue.
 14. List four properties of X-rays.
 15. Management of mucocele.
 16. Types of intra oral herpes simplex infections.

Subject: Pediatric & Preventive Dentistry**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Define and classify early childhood caries (ECC). Describe the role of diet in ECC. Add a note on its management. (1+2+5+2)
2. Classify caries diagnostic aids and explain the advantages and limitations of each diagnostic method. Write a note on quantitative light-induced fluorescence (QLF). (2+5+3)

II SHORT ESSAYS**4x5 = 20 Marks**

3. Self correcting anomalies in primary and mixed dentition.
4. Indications and contraindications of pulpotomy.
5. Types of space maintainers in upper jaw.
6. Management of open apex in a non-vital permanent incisor.

III SHORT ANSWERS**10X2 = 20 Marks**

7. Ellis type IX injury.
8. Physiological spacing.
9. Phoenix abscess
10. Munchausen syndrome by proxy.
11. Herpetic gingivostomatitis.
12. Bisecting angle technique.
13. Baume's classification.
14. Methods of serial extraction.
15. Pedodontic triangle.
16. Enlow's 'V' principle.

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Fourth Year BDS Examination – September 2020

Subject: Oral Medicine & Radiology

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Draw neat labeled diagrams wherever necessary.

Time: 3 hours

Max. Marks: 70

I. LONG ESSAYS

2x10=20 Marks

1. What is acquired immunodeficiency syndrome (AIDS)? Enumerate the oral manifestations and diagnostic tests for AIDS. Add a note on management of such patients in the dental clinic. (2+4+4)
2. Define processing of a radiographic film. Describe the steps involved in manual processing. Enumerate the faults associated with processing. (2+5+3)

II. SHORT ESSAYS

6x5=30 Marks

3. Differences between bisecting angle and paralleling techniques.
4. Management of trigeminal neuralgia.
5. Recurrent aphthous stomatitis.
6. Radiographic features of fibrous dysplasia.
7. Sjogren's syndrome.
8. Submentovertex view of skull.

III. SHORT ANSWERS

10x2=20 Marks

9. List four indications for occlusal radiographs.
10. Enumerate normal variants of the oral mucosa.
11. Dental complications of herpes zoster.
12. Filtration.
13. Ramsay Hunt syndrome.
14. Radiographic differentiation of periapical granuloma and periapical cyst.
15. Enumerate four causes of depapillation of tongue.
16. List four properties of X-rays.
17. Management of mucocele.
18. Types of intra oral herpes simplex infections.

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Fourth Year BDS Examination – September 2020**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. Describe the aetiology and management of various non-carious lesions. (4+6)
2. What are the indications and contraindications for endodontic surgery? Describe flap designs and apicoectomy. (4+6)

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

3. Apex locators.
4. Walking bleach.
5. Acid etching technique.
6. Classification of hand cutting instruments.
7. Cavity liners.
8. Tooth resorption.

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

9. Storage media.
10. Enameloplasty.
11. Automatrix.
12. Delayed expansion.
13. Butt joint.
14. Polymer burs.
15. Test cavity.
16. Phoenix abscess.
17. Color coding of endodontic instruments.
18. Glass bead sterilizer.

Subject: Conservative Dentistry & Endodontics**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Describe the aetiology and management of various non-carious lesions. (4+6)
2. What are the indications and contraindications for endodontic surgery? Describe flap designs and apicoectomy. (4+6)

II SHORT ESSAYS**4x5 = 20 Marks**

3. Apex locators.
4. Walking bleach.
5. Acid etching technique.
6. Classification of hand cutting instruments.

III SHORT ANSWERS**10X2 = 20 Marks**

7. Storage media.
8. Enameloplasty.
9. Automatrix.
10. Delayed expansion.
11. Butt joint.
12. Polymer burs.
13. Test cavity.
14. Phoenix abscess.
15. Color coding of endodontic instruments.
16. Glass bead sterilizer.

Subject: Oral & Maxillofacial Surgery**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Define and classify local anaesthetic (LA) agents. Describe the theories and mechanism of action of LA. Add a note on composition of LA. (2+6+2)
2. Classify mandibular fractures. Describe the clinical features and management of left condylar fracture in a 20-year-old patient. (3+7)

II SHORT ESSAYS**4x5 = 20 Marks**

3. Bilateral sagittal split ramus osteotomy.
4. Management of odontogenic keratocyst (OKC).
5. Measures to control bleeding from extraction socket.
6. Pre-anaesthetic medications.

III SHORT ANSWERS**10X2 = 20 Marks**

7. Dean's alveoloplasty.
8. Sialography.
9. Complications of posterior superior alveolar nerve block.
10. Components of dental implants.
11. Rule of 10.
12. Carbamazepine.
13. Carnoy's solution.
14. Indications of hyperbaric oxygen (HBO) therapy.
15. Stobie technique.
16. Boundaries of submandibular space.

Subject: Orthodontics & Dentofacial Orthopedics**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Define orthodontic anchorage. Describe the types of anchorage with emphasis on maximum anchorage. (2+5+3)
2. Define and classify myofunctional appliances. Write the modus operandi and indications of Frankel functional regulator. (4+6)

II SHORT ESSAYS**4x5 = 20 Marks**

3. Center of resistance and center of rotation.
4. Congenital defects of malocclusion.
5. Tongue thrusting habit.
6. Theories of retention.

III SHORT ANSWERS**10X2 = 20 Marks**

7. Baker's anchorage.
8. Cervical vertebral maturation index (CVMI).
9. Evaluation of temporomandibular joint (TMJ).
10. Anatomic and derived landmarks.
11. Passive components of removable appliance.
12. Hyrax.
13. Distal shoe space maintainer.
14. Cephalon-caudal gradient of growth.
15. Optimum orthodontic force.
16. Welding.

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Fourth Year BDS Examination – September 2020**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. Define and classify local anaesthetic (LA) agents. Describe the theories and mechanism of action of LA. Add a note on composition of LA. (2+6+2)
2. Classify mandibular fractures. Describe the clinical features and management of left condylar fracture in a 20-year-old patient. (3+7)

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

3. Bilateral sagittal split ramus osteotomy.
4. Management of odontogenic keratocyst (OKC).
5. Measures to control bleeding from extraction socket.
6. Pre-anaesthetic medications.
7. Marsupialization.
8. Cleft palate.

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

9. Dean's alveoloplasty.
10. Sialography.
11. Complications of posterior superior alveolar nerve block.
12. Components of dental implants.
13. Rule of 10.
14. Carbamazepine.
15. Carnoy's solution.
16. Indications of hyperbaric oxygen (HBO) therapy.
17. Stobie technique.
18. Boundaries of submandibular space.

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Fourth Year BDS Examination - September 2020

Subject: Orthodontics & Dentofacial Orthopaedics

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 orthodontic anchorage. Describe the types of anchorage with emphasis on maximum anchorage. (2+5+3)
2. Define and classify myofunctional appliances. Write the modus operandi and indications of Frankel functional regulator. (4+6)

II. SHORT ESSAYS

6x5=30 Marks

3. Center of resistance and center of rotation.
4. Congenital defects of malocclusion.
5. Tongue thrusting habit.
6. Theories of retention.
7. Hawley retainer.
8. Deep bite.

III. SHORT ANSWERS

10x2=20 Marks

9. Baker's anchorage.
10. Cervical vertebral maturation indices (CVMI).
11. Evaluation of temporomandibular joint (TMJ).
12. Anatomic and derived landmarks.
13. Passive components of removable appliance.
14. Hyrax.
15. Distal shoe space maintainer.
16. Cephalon-caudal gradient of growth.
17. Optimum orthodontic force.
18. Welding.

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Fourth Year BDS Examination - September 2020

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 prevention and describe the levels of prevention.
2. Define plan and describe the steps in planning.

(2+8)

(2+8)

II. SHORT ESSAYS

6x5=30 Marks

3. Dental auxiliaries.
4. Toxicity of fluorides.
5. Mass media in health education.
6. Prevention of dental caries.
7. Tattle tooth programme.
8. Epidemiological triad.

III. SHORT ANSWERS

10x2=20 Marks

9. Measures of dispersion.
10. Principles of atraumatic restorative treatment (ART).
11. Salt fluoridation.
12. Aims of survey.
13. Floor plan for dental clinic.
14. Retrospective study.
15. Prepayment plan.
16. Objectives of WHO.
17. Health care delivery in India.
18. School oral health care program.

Subject: Periodontology

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Define abscess. Classify abscesses of the periodontium. Describe periodontal abscess and its treatment. (1+3+6)
2. Define plaque. Describe the mechanical and chemical plaque control methods. (2+4+4)

II SHORT ESSAYS

4x5 = 20 Marks

3. Occlusal trauma.
4. Periodontal manifestations of acquired immunodeficiency syndrome (AIDS).
5. Bone grafts used in periodontal surgery.
6. Junctional epithelium.

III SHORT ANSWERS

10X2 = 20 Marks

7. Effect of non-surgical periodontal therapy in smokers.
8. Recommended pre-antibiotic regimens for infective endocarditis.
9. Classify periodontal probes.
10. Pseudopocket.
11. Local drug delivery.
12. Name red complex organisms.
13. Causes of tooth mobility.
14. Name four drugs causing gingival enlargement.
15. Define prognosis.
16. Peri-implantitis.

4. Cell – cell adhesion and interaction between genetically distinct oral bacteria present in a biofilm is known as:
 - a) co-aggregation
 - b) agglutination
 - c) conjugation
 - d) transmission
5. Advanced glycation end products (AGEs) are formed in:
 - a) protein deficiency
 - b) diabetes mellitus
 - c) leukaemia
 - d) scurvy
6. Electronic instrument used to measure gingival crevicular fluid (GCF) is:
 - a) periocheck
 - b) periotemp
 - c) perioscan
 - d) periotron
7. How many osseous walls are present in one-wall vertical defect?
 - a) one wall
 - b) two walls
 - c) three walls
 - d) four walls
8. Trauma from occlusion DOES NOT produce:
 - a) tooth mobility
 - b) widening of periodontal spaces
 - c) angular bone loss
 - d) periodontal pockets
9. Periostat is:
 - a) 20 mg capsule of doxycycline hyclate
 - b) 40 mg capsule of doxycycline hyclate
 - c) 100 mg capsule of doxycycline hyclate
 - d) 200 mg capsule of doxycycline hyclate
10. Minimum distance between two implants should be:
 - a) 1 – 2 mm
 - b) 1.5 – 2.5 mm
 - c) 3 – 4 mm
 - d) 5 – 6 mm