

Dec - 2019

QP Code: 11214

Subject: Orthodontics & Dentofacial Orthopaedics

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Describe Angle's classification of malocclusion. Mention Dewey's modification of Angle's classification. (8+2)
2. Define retention. Discuss about the different theorems of retention. (2+8)

II SHORT ESSAYS

4x5 = 20 Marks

3. Early Vs late mesial shift.
4. Essential diagnostic aids.
5. Activator.
6. Andrew's six keys of occlusion.

III SHORT ANSWERS

10X2 = 20 Marks

7. Ugly duckling stage.
8. Facial profile and divergence.
9. Vital staining.
10. Teeth as anchorage.
11. Types of orthodontic tooth movement.
12. Adenoid facies.
13. Distal shoe space maintainer.
14. Catalan's appliance.
15. Hyalinization.
16. Jackson's clasp.

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

1. Explain the principles of tooth preparation.
2. Define retention, stability and support in complete denture. Discuss the various factors affecting retention in complete denture.

(3+7)**II SHORT ESSAYS****4x5 = 20 Marks**

3. Hanau's quint.
4. Pindex system.
5. Minor connectors in removable partial denture.
6. Immediate denture.

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

7. Define face bow.
8. Difference between centric relation and centric occlusion.
9. Maryland bridge.
10. Buccal shelf area.
11. Camper's plane.
12. Parts of a surveyor.
13. Veneers.
14. Swing lock removable partial denture.
15. Titanium as an implant biomaterial.
16. Fulcrum line.

Dec 2019

QP Code: 11217

Subject: Conservative Dentistry & Endodontics

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Classify matrices and wedges and write their functions. Explain the wedging techniques. (5+5)
2. Define obturation. Enumerate the techniques of obturation. Describe lateral condensation technique. Add a note on root canal sealers. (2+2+4+2)

II SHORT ESSAYS

4x5 = 20 Marks

3. Mercury toxicity.
4. Modifications of class II restorations.
5. Standardization of endodontic instruments and color coding.
6. Flap designs in endodontic surgery and instruments for periapical surgery.

III SHORT ANSWERS

10X2 = 20 Marks

7. Interim restorations.
8. Rubber dam.
9. Inlay wax.
10. Operator positions in operative dentistry.
11. Minimally invasive dentistry (MID).
12. Design and uses of Peeso reamer.
13. Retro grade filling.
14. Mineral trioxide aggregate (MTA).
15. Classification of endo-perio lesions.
16. Gutta percha.

Dec 2019

QP Code: 11216

Subject: Oral & Maxillofacial Surgery

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Write the composition of local anaesthesia solution. Add a note on advantages and contraindications of vasoconstrictors in local anaesthetic agent. (4+6)
2. Define ankylosis. Write the clinical features, radiological features and management of a unilateral temporomandibular joint ankylosis in a 10-year-old boy. (2+8)

II SHORT ESSAYS

4x5 = 20 Marks

3. Clinical and radiological assessment of impacted mandibular third molar.
4. Vestibuloplasty.
5. Cardiopulmonary resuscitation.
6. Management of ameloblastoma.

III SHORT ANSWERS

10X2 = 20 Marks

7. Arch bars.
8. Warthin's tumour.
9. von Langenbeck palatoplasty.
10. Boundaries of pterygomandibular space.
11. Neurorrhaphy.
12. Malunion.
13. Indications for Caldwell-Luc procedure.
14. Principles of elevators.
15. Garre's osteomyelitis.
16. Eutectic mixture of local anaesthetics (EMLA).

Dec 2019

QP Code: 11213

Subject: Periodontology

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Define gingival crevicular fluid (GCF). Describe the composition and methods of collection of GCF. Write about the various enzymes present in GCF. (2+4+4)
2. Define and classify periodontal flaps. Describe the modified Widman flap. (2+3+5)

II SHORT ESSAYS

4x5 = 20 Marks

3. Classify splints. Write the functions and role of splints in periodontal therapy.
4. Classify furcation involvement. Write the management of grade I furcation involvement.
5. Risk markers of periodontal diseases.
6. Role of vitamins in periodontal health and disease.

III SHORT ANSWERS

10X2 = 20 Marks

7. Perio-endo combined lesion.
8. Pericoronitis.
9. Stillman's cleft and Mc Call's festoons.
10. Chemically modified tetracyclines.
11. Osteoplasty.
12. Spiral pocket.
13. Name different suture materials.
14. ADA specifications of a tooth brush.
15. Specific plaque hypothesis.
16. Treatment plan for acute necrotizing ulcerative gingivitis.

Dec-2019

QP Code: 11212

Subject: Public Health Dentistry

Part II

I LONG ESSAYS

2x10 = 20 Marks

1. Define primary health care and elaborate on primary health care services in India. (2+8)
2. Define sampling and explain the types of sampling techniques. (2+8)

II SHORT ESSAYS

4x5 = 20 Marks

3. Define survey and describe pathfinder survey.
4. Principles of health education.
5. Classify fluoride delivery methods and describe systemic fluorides.
6. Define school health services and write about the components of school oral program.

III SHORT ANSWERS

10X2 = 20 Marks

7. Expanded function dental auxiliary (EFDA).
8. Shoe leather survey.
9. Co-insurance.
10. Carex.
11. Group practice.
12. Berkensonian bias.
13. Types of needs.
14. THETA programme.
15. Functions of Dental Council of India (DCI).
16. Taboos in oral health.

Subject: Oral Medicine and Radiology**Part II****I LONG ESSAYS****2x10 = 20 Marks**

1. Enumerate oral potentially malignant disorders. Describe the aetiology, clinical features, diagnosis and management of oral leukoplakia. (2+8)
2. Define ideal radiograph. Enumerate the intraoral radiographic views. Describe bisecting angle technique. (2+2+6)

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

3. Oral manifestations of HIV.
4. Temporomandibular joint ankylosis.
5. Radiolucent landmarks of maxilla.
6. Radiographic features of odontogenic keratocyst.

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

7. Classify developmental salivary gland disorders.
8. Clinical features of facial palsy.
9. Mention four causative organisms of candidiasis.
10. Define macule and plaque.
11. List four anticancer drugs.
12. Oral complications of varicella zoster infection.
13. ALARA principle.
14. SLOB rule.
15. Radiographic features of fibrous dysplasia.
16. Indications for magnetic resonance imaging.

JSS Academy of Higher Education & Research, Mysuru

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Fourth Year BDS Examination – December 2019

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. Classify traumatic injuries to teeth in children. Describe the response of teeth to trauma and management strategies for such teeth. (4+6)
2. Define pulpotomy. Enumerate the indications, contraindications and types of pulpotomy. Explain formocresol pulpotomy procedure. (2+4+4)

II. SHORT ESSAYS

6x5=30 Marks

3. Definition, scope, objectives and importance of pedodontics.
4. Age changes in mandible.
5. Dental management of hemophilic child.
6. Sequence and chronology of eruption of primary teeth.
7. Indications and contraindications of extraction of primary and permanent teeth in children.
8. Development of tooth root.

III. SHORT ANSWERS

10x2=20 Marks

9. Four differences between primary and permanent teeth.
10. Serial extraction.
11. Natal and neonatal teeth.
12. Clinical features of digit sucking.
13. Snyder test.
14. Acidulated phosphate fluoride gel.
15. Types of stainless-steel crowns.
16. Herpetic gingivostomatitis.
17. Pulp polyp.
18. Down's syndrome.

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Fourth Year BDS Examination –December 2019

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. Define and classify jaw relations. Enumerate the methods of recording centric relation and describe any one of them. (4+6)
2. Define impression in complete denture. Describe the different impression techniques. (2+8)

II. SHORT ESSAYS

6x5=30 Marks

3. Direct retainers.
4. Gingival retraction.
5. Immediate dentures.
6. Minor connectors.
7. Posterior palatal seal.
8. Articulator.

III. SHORT ANSWERS

10x2=20 Marks

9. Osseointegration.
10. Disinfection of impression materials.
11. Finish lines.
12. Abutment and pontic.
13. Overjet and overbite.
14. Shade selection.
15. Post denture insertion instructions.
16. Balanced occlusion.
17. Denture adhesives.
18. Kennedy's classification of edentulous spaces.

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Fourth Year BDS Examination – December 2019

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. Enumerate the indications and contraindications for dental amalgam restorations. Describe cavity preparation for class V cavity. (4+6)
2. Enumerate the principles of root canal treatment. Describe the procedure of root canal space preparation. (5+5)

II. SHORT ESSAYS

6x5=30 Marks

3. Tooth vitality tests.
4. Lateral condensation obturation technique.
5. Types and functions of wedges.
6. Apexification.
7. Internal Vs external tooth resorption.
8. Pulp capping.

III. SHORT ANSWERS

10x2=20 Marks

9. Indications for inlays.
10. Excavators.
11. Tarnish and corrosion.
12. Abfraction.
13. Smear layer.
14. Rake angle.
15. Composition of mineral trioxide aggregate.
16. Ideal properties of root canal sealers.
17. Radisectomy.
18. Poly antibiotic paste.

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Fourth Year BDS Examination –December 2019

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 local anesthetic agents used in oral surgery. Describe the local and systemic complications of local anesthesia. (4+6)
2. Classify fractures of the middle third of the face. Describe the clinical features, investigations and management of Le Fort II fracture. (4+6)

II. SHORT ESSAYS

6x5=30 Marks

3. Asepsis in oral surgery.
4. Oro-antral fistula.
5. Complications of fractures.
6. Dental elevators.
7. Facial palsy.
8. Caldwell-Luc procedure.

III. SHORT ANSWERS

10x2=20 Marks

9. Mention four indications for extraction of teeth.
10. Ludwig's angina.
11. Types of biopsy.
12. Neurorrhaphy.
13. Classification of impacted mandibular third molars.
14. Clinical features of pterygomandibular space infection.
15. Antibiotic prophylaxis for infective endocarditis.
16. Alveoloplasty.
17. Marsupialization.
18. Classify suture materials.

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Fourth Year BDS Examination – December 2019

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. Define and classify white lesions of the oral cavity. Describe the aetiology, clinical features, diagnosis and management of oral leukoplakia. (4+6)
2. Describe the parts of an X-ray machine and production of X-rays with the help of a labelled diagram.

II. SHORT ESSAYS

6x5=30 Marks

3. Collimation.
4. Intrinsic discoloration of teeth.
5. Oral manifestations of HIV infection.
6. Radiographic appearance of fibrous dysplasia.
7. Management of pemphigus vulgaris.
8. Aetiopathogenesis of oral cancer.

III. SHORT ANSWERS

10x2=20 Marks

9. Amalgam tattoo.
10. Plummer-Vinson syndrome.
11. Moth eaten appearance.
12. Types of grids.
13. Mention four indications for orthopantomography.
14. Position and distance rule.
15. Stochastic and deterministic effects.
16. Chancre and gumma.
17. Name four antiviral drugs.
18. Define macule and papule.

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Fourth Year BDS Examination- December 2019

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. What is normal occlusion? Define malocclusion and describe the types of dental malocclusion. (2+8)
2. Enumerate the theories and factors influencing growth and development. Describe the functional matrix theory. (4+6)

II. SHORT ESSAYS

6x5=30 Marks

3. Forces of occlusion.
4. Study models.
5. Types and age factors in orthodontic tooth movement.
6. Serial extraction.
7. Orthodontic clasps and their uses.
8. Hand wrist radiography in orthodontics.

III. SHORT ANSWERS

10x2=20 Marks

9. Define retention and relapse.
10. Head gear.
11. Cross bite.
12. Two indications and contraindications each for fixed orthodontic appliances.
13. Reciprocal anchorage.
14. Biological age.
15. Modifications of Adam's clasp.
16. Bionator.
17. Class II- Division 1 malocclusion.
18. Meckel's cartilage.

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Fourth Year BDS Examination- December 2019

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 and enumerate the types of research. Compare and contrast case control and cohort studies. (4+6)
2. Define primary health care. Describe the principles of primary health care. Add a note on structure of dental health care delivery in India. (2+8)

II. SHORT ESSAYS

6x5=30 Marks

3. Dental auxiliaries
4. Normal curve.
5. Systemic fluorides.
6. COPRA.
7. Oral hygiene index.
8. Statistical package for social sciences.

III. SHORT ANSWERS

10x2=20 Marks

9. New Zealand type school dental nurse.
10. Bite marks.
11. Dentist Act.
12. Chi-square test.
13. Epidemiological triad.
14. Snyder test.
15. Tattle tooth programme.
16. Post payment plans.
17. Changing concepts of health.
18. Incineration.

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Fourth Year BDS Examination – December 2019**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 and classify gingiva. Describe the features of gingiva at the macroscopic and microscopic level. (4+6)
2. Define plaque biofilm. Describe the plaque formation at the ultra-structural level. Add a note on non-specific and specific plaque hypothesis. (2+5+3)

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

3. Aggressive periodontitis.
4. Periodontal probes.
5. Gingivoplasty.
6. Periodontal management of a diabetic patient.
7. Mucogingival conditions.
8. Gingival cures.

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

9. Pathologic migration.
10. Fenestration and dehiscence.
11. Desquamative gingivitis.
12. Plunger cusp and its significance.
13. Mention four drugs causing gingival enlargement.
14. Mention four causes of halitosis.
15. Define prognosis.
16. CPITN and CPI.
17. Pericoronal abscess.
18. Gingival findings in leukemia.