

2664

0719E234

Candidate's Seat No : _____

**Final B.D.S. Examination
Prosthodontics and Crown & Bridge**

Date : 02-07-2019, Tuesday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

Section -I

1. Write long essays (any two): 7x2=14
- Define complete denture impression. Explain the post insertion instructions given to complete denture patients.
 - What is retainer in FPD? Discuss the factors affecting evaluation of abutment in FPD treatment.
 - Define surveyor. Explain the parts of surveyor. Add a note on survey lines.
2. Write short notes (any three): 5x3=15
- Dentogenic concept
 - Provisionalisation in FPD
 - Maxillary major connectors
 - Advantages and disadvantages of over dentures
3. Write in one/two sentences,(any six): 1x6=6
- Ante's law
 - Devan's dictum
 - Christensen's phenomenon
 - Pier abutment
 - Define osseointegration
 - Parallel block out
 - Types of minor connector

[P.T.O.]

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Section II

4. Write long essays (any two): 7x2=14
- a. Define balanced articulation. Discuss the factors affecting balanced articulation.
 - b. Define pontic. Classify and discuss different pontic designs in FPD.
 - c. Define direct retainer. Discuss the principles of clasp design.
5. Write short notes (any three): 5x3=15
- a. Effects of increased and decreased vertical dimension in complete denture
 - b. Kennedy's classification and Applegate's rules
 - c. Discuss metal ceramic v/s all ceramic restorations
 - d. Failures in implants
6. Write in one/two sentences (any six): 1x6=6
- a. Types of facebow
 - b. Telescopic crowns
 - c. Nonrigid connectors
 - d. Functional cusp bevel
 - e. Vibrating lines
 - f. Cingulum bar
 - g. Finish lines in FPD
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Final B.D.S. Examination
Orthodontics & Dentofacial Orthopaedics

Date : 05-07-2019, Friday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

SECTION I

- 1) Write any two: **14 marks**
- a) Define Interceptive Orthodontics. Enumerate various interceptive procedures. Write in detail about Serial Extraction.
 - b) Define and classify Oral Habits. Write in detail about Thumb Sucking Habit.
 - c) Discuss Angle's classification of malocclusion and its merits and demerits in detail.
- 2) Write short notes on any three: **15 marks**
- a) Scammon's growth curve
 - b) Functional matrix theory
 - c) Steiner's analysis
 - d) Frontal resorption versus undermining resorption
- 3) Write one or two sentences on any six: **6 marks**
- a) Jackson's triad
 - b) Hyalinization
 - c) Stainless steel
 - d) Cephalic index
 - e) Ugly duckling stage
 - f) Curve of Spee
 - g) Optimum orthodontic force
 - h) Flux

[P.T.O.]

4) Write any two:

14 marks

- a) Define and classify Myofunctional appliance. Write in detail about Activator.
- b) Define and classify Anchorage in orthodontics. Write in detail about intra-oral source of anchorage
- c) Discuss in detail about management of Class II malocclusion in orthodontics.

5) Write short notes on any three:

15 marks

- a) Theorems of retention
- b) Classify cleft lip and palate
- c) Midline diastema
- d) Headgear

6) Write one or two sentences on any six:

6 marks

- a) Endochondral ossification
 - b) Leeway space of Nance
 - c) Soldering
 - d) Growth spurt
 - e) Rapid maxillary expander
 - f) Tanaka -Johnston analysis
 - g) Oral screen
 - h) Types of tooth movement
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Final B.D.S. Examination
Conservative Dentistry & Endodontics

Date : 08-07-2019, Monday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

SECTION 1

Q1. Write on any two:

[14]

- a) Difference between class II amalgam and class II Inlay preparation
- b) Direct filling gold- classification and condensing techniques
- c) /Write in detail about generations of Dentin Bonding Agents

Q2. Write on any three

[15]

- a) Methods of strengthening ceramics
- b) Types of pins
- c) Zones of dentinal caries
- d) Resin modified Glass Ionomer Cement

Q3. Write One or two sentences (any six)

[6]

- a) Rubber dam
- b) Direct pulp capping
- c) Dentinal hypersensitivity
- d) Pickling
- e) Sandwich technique
- f) 245 bur
- g) Acid etch technique
- h) Primary and secondary flares

[P.T.O.]

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SECTION 2

Q4. Write on any two:

[14]

- a) Diagnostic aids in Endodontics
- b) Ingles method of working length determination
- c) Avulsion and its management

Q5. Write on any three

[15]

- a) ISO standardization of endodontic hand instruments
- b) Gutta percha
- c) Indications for periapical surgery
- d) Non vital bleaching

Q6. Write one or two sentences (any six)

[6]

- a) Zones of Fish
 - b) Gates glidden drills
 - c) Mineral Trioxide Aggregate
 - d) Balanced force technique
 - e) Rake Angle
 - f) Difference between apexogenesis and apexification
 - g) Phoenix abscess
 - h) Microbial flora in root canal
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Candidate's Seat No : _____

**Final B.D.S. Examination
Paediatric & Preventive Dentistry**

Date : 10-07-2019, Wednesday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

SECTION I

1. Write on (Any two)

[14]

- a. Define growth and development. What are the various theories explaining the growth of craniofacial region? Discuss in detail about functional matrix theory.
- b. Write in detail about development of occlusion from birth to adolescence.
- c. Define and classify early childhood caries. Discuss the etiology, clinical feature and management of early childhood caries.

2. Write short notes on (Any three)

[15]

- a. Id, ego, superego
- b. Self correcting anomalies
- c. Growth spurt
- d. Semi permanent restoration
- e. Distal shoe

3. Write one/ two sentences (Any six)

[6]

- a. Define behavior
- b. DIAGNOdent
- c. PRR
- d. Conscious sedation
- e. Munchausen syndrome by proxy
- f. Iceberg concept
- g. HOME

[P.T.O]

SECTION II

4. Write on (Any two)

[14]

- a. Define behavior shaping and behavior management. Describe various non-pharmacological techniques use for the management of dental behavior in children.
- b. Define pulpectomy. What are the indications, contraindications, various obturating materials and procedures for pulpectomy
- c. Define and classify habits. Discuss the etiology, clinical features and management of tongue thrusting.

5. Write short notes on (Any three)

[15]

- a. Masochistic habits
- b. Down's syndrome
- c. APF
- d. Various tooth brushing techniques.
- e. Pit and fissure sealant

6. Write one/ two sentences (Any six)

[6]

- a. Caries vaccine
 - b. Prophylactic odontomy
 - c. Pedodontic triangle
 - d. Wilkinson's extraction
 - e. Window of infectivity
 - f. MTA
 - g. Anaphylaxis
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Final B.D.S. Examination
Oral & Maxillofacial Surgery

Date : 12-07-2019, Friday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

Section 1

Question 1: Answer any two of three (seven marks each) (14)

- (a) Discuss the clinical features, diagnosis and treatment of TMJ dislocation?
(b) Define and classify impaction? Discuss the treatment of mesioangular impacted mandibular third molar?
(c) Define and classify odontogenic tumors? Describe Ameloblastoma in detail.

Question2: Answer any three of five (five marks each) (15)

- (a) Partsch 1 procedure
(b) Oro-Antral Fistula
(c) Bell's palsy
(d) Dean's Alveoplasty
(e) Garre's Osteomyelitis

Question3: Answer any six of eight (one mark each) (06)

- 1) EMLA
2) Battles sign
3) Which movements are used for extraction of mandibular first molars?
4) What is the maximum administered safe dose of lignocaine 2% with adrenaline?
5) Carnoy's solution composition
6) Osteotome
7) What is the ratio of chest compression to mouth breathing in CPR?
8) What group of drug abusers are known as walking time bomb?

[P.T.O.]

Question 4: Answer any two of three (seven marks each) (14)

- (a) Discuss the clinical features, diagnosis and treatment of horizontally unfavourable mandibular angle fracture.
- (b) Discuss the clinical features, diagnosis and treatment of Trigeminal Neuralgia.
- (c) Define and classify local anesthesia. Discuss local complications of LA in detail.

Question 5: Answer any three of five (five marks each) (15)

- (a) Odontogenic Keratocyst
- (b) Sialolith
- (c) Osteoradionecrosis
- (d) Buccal space infection
- (e) Bleeding control in oral surgical procedures.

Question 6: Answer any six of eight (one mark each) (06)

- 1) Alkayat- Bramley Incision is a modification of?
 - 2) Waldron's procedure
 - 3) Panda facies
 - 4) Cold sterilization
 - 5) Most commonly used suture in oral surgery.
 - 6) Enumerate principles of elevators.
 - 7) Safest local anesthetic agent.
 - 8) Postage stamp method.
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**Final B.D.S. Examination
Periodontology**

Date : 16-07-2019, Tuesday]
[Time : 3 Hours

[Max. Marks : 70

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

Section I**Q1. Answer any two****Marks 14**

1. Enumerate the zones of oral mucosa . Describe Blood supply , Lymphatics & nerve supply of the
Gingiva
2. Define & Classify Trauma From Occlusion. Describe the stages of Tissue response to increased
Occlusal Forces
3. Describe the bone destruction patterns in periodontal disease. Discuss the management of
infrabony defects.

Q2. Write short notes on any Three**Marks 15**

1. Differentiate among Regeneration, Repair & New attachment
2. Laterally Displaced Flap
3. Differentiate between Periodontal & Pulpal lesions.
4. Sharpey's fibres and bundle bone.

Q3 Answer any Six:**Marks 06**

1. Angular defects
2. Acellular cementum
3. Effect of Smoking on Immune system
4. Junctional epithellum in health and disease
5. Stage III of gingivitis
6. Odland Bodies
7. Shwartz Periotrievors
8. Cytokines

Q.4 Answer any two

Marks 14

1. Classify Periodontal Flaps. Enumerate the indications & describe the technique for Apically Displaced Flap.
2. Discuss the association of periodontal disease and coronary heart disease.
3. Define Osseous Surgery. Describe the rationale & method for Resective Osseous Surgery

Q5.. Write short notes on any Three :

Marks 15

1. Bacterial evasion of host response
2. Peripheral Giant cell Granuloma
3. Ultrasonic Versus Sonic Instruments
4. Enumerate the iatrogenic Predisposing factors in Periodontal Disease

Q6. Answer any Six.

Marks 06

1. Buttressing Bone Formation
 2. Salivary Antibodies
 3. Non Keratinocytes found in the Gingival Epithelium
 4. Red Complex Bacteria
 5. Bacterial Coaggregation
 6. Allografts
 7. Paillon-Lafevre Syndrome
 8. Fenestration Versus Dehiscence
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Final B.D.S. Examination
Oral Medicine and Radiology

Date : 18-07-2019, Thursday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

SECTION – A

- 1. Write notes on any two of the following: -** **Marks: 2 x 7 = 14**
- a) Classify and enumerate only the primarily ulcerative lesions of the head-neck-face & oral cavity region. Discuss in detail the etiology, clinical features, oral manifestations, investigations and treatment of Trigeminal Neuralgia.
 - b) Classify and enumerate the causes of bleeding from the oral cavity. State the investigations (including their normal values) and management of post-extraction bleeding.
 - c) Classify and enumerate the various Temporo-Mandibular Joint disorders. Discuss in detail the etiology, clinical features, oral manifestations, investigations and treatment of Myofascial Pain Dysfunction Syndrome.
- 2. Write short notes on any three of the following:-** **Marks: 3 x 5 = 15**
- a) Hyperparathyroidism
 - b) Assessment of status and dental treatment management considerations in a patient with chronic obstructive hepatitis.
 - c) Toluidine blue test.
 - d) Differential diagnosis of scrape-able white lesions of the oral cavity.
- 3. Answer in one or two sentences any six of the following:-** **Marks: 6 x 1 = 6**
- a) What is Bell's palsy ?
 - b) What is Eagle's Syndrome ?
 - c) Enumerate four causes of palatal perforation.
 - d) Only draw and label diagrams to show the classification of lip prints.
 - e) State oral manifestations of Addison's disease.
 - f) Where are the Von Ebner Glands, Von Ebner Ducts, and Von Ebner Lines located ?
 - g) Enumerate the water soluble vitamins & state their daily requirement in an adult.
 - h) State the generic names and dosage of drugs used to manage a case of Herpes Zoster.

[P.T.O.]

4. Write notes on any two of the following: - Marks: 2 x 7 = 14
- a) Enumerate the radio-opaque lesions of the Maxilla and radio-lucent lesions of the Mandible. Discuss in detail the etiology, various radiographic features and differential diagnosis of osteogenic osteosarcoma of the mandible.
 - b) Enumerate (only) the radiographic differential diagnosis of fractures of the Head-Neck-Face, Jaws & Teeth. Discuss in detail the etiology, various radiographic features and differential diagnosis of Ameloblastoma.
 - c) Enumerate and state separately the Principles and Aims of Radiation Protection. Do not discuss, but only classify and enumerate systematically the methods of radiation protection from the stage of architectural planning to full functioning of a dental college radiology department for the different categories of personnel involved.
5. Write short notes on any three of the following:- Marks: 3 x 5 = 15
- a) Importance of and the methods employed in dental age estimation.
 - b) Localizing techniques for an impacted maxillary permanent right canine.
 - c) Radiographic differential diagnosis of sialolith in the mandibular salivary gland.
 - d) State the causes of (a) Very Light and (b) Very Dark images on a radiograph.
6. Answer in one or two sentences any six of the following:- Marks: 6 x 1 = 6
- a) What is the angulation of the central beam of x-rays for taking a bite-wing radiograph and who introduced this technique ?
 - b) State the day of the week, date, month and year when x-rays were discovered.
 - c) Submento-Occipital radiographic projection is indicated for what most common purposes in dental practice ?
 - d) What is osteo-radio-necrosis and how is it radiographically differentiated from chronic suppurative osteomyelitis ?
 - e) What is (a) taurodontism and (b) Dens-in-Dente ?
 - f) What is the maximum permissible dose for a radiation worker ?
 - g) Define an ideal radiograph.
 - h) What is the principle of line focus ?
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Candidate's Seat No : _____

**Final B.D.S. Examination
Public Health Dentistry**

Date : 20-07-2019, Saturday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

Section - I

- 1 Long answer questions (Any two) 2 × 7 = 14 Marks
1. Define epidemiology. Classify epidemiological studies and explain RCT.
 2. Define Index, mention ideal properties of Index. Discuss CPI & LOA.
 3. Classify Fluorides in Preventive Dentistry. Explain topical fluorides and their mechanism of action.
- 2 Write short notes on (Any three) -3 × 5 = 15 Marks
1. Ayushman Bharat
 2. Diabetes and Oral health
 3. World No Tobacco Day - themes / focus - 2017 to 2019
 4. Fluorosis in Gujarat
- 3 Write in one or two sentences (Any Six) 6 × 1 = 6 Marks
1. ASHA Worker
 2. Census
 3. Standard Error (SE)
 4. NOHP
 5. 21 June
 6. WHO Headquarters.
 7. Tattle tooth programe
 8. Jurisprudence

[P.T.O.]

4 Long answer questions (Any two)

2 × 7 = 14 Marks

1. Define evaluation. Describe steps in evaluation with example of Dental Public Health programme.
2. Define and discuss Bio Medical Waste (BMW) management with amendments.
3. Define Diet and Nutrition. Explain their role in gingival and periodontal disease.

5 Write short notes on (Any three)

3 × 5 = 15 Marks

1. Primordial level of Prevention
2. Attributable risk
3. Screening
4. Vipeholm study

6 Write in one or two sentences (Any Six)

6 × 1 = 6 Marks

1. Define Epidemiology
 2. NIPAH
 3. COHORT
 4. Loss of Head
 5. Table of Allowances
 6. Two-tone solution
 7. UNICEF
 8. Limitations of DMF Index
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