



Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the types, properties, pathways and mechanism of pain.
2. Describe the pterygomandibular space and discuss its importance.

SHORT ESSAY

6 X 10 = 60 Marks

3. Antioxidants.
4. Muscles of tongue.
5. Physiology of shock.
6. Wound healing.
7. Blood supply to the brain.
8. Blood clotting.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe briefly the non governmental health agencies in India
2. Describe briefly case control study

SHORT ESSAY

6 X 10 = 60 Marks

3. Host factors
4. Nutritional anaemias
5. Describe briefly steps in planning
6. Occupational hazards in dentistry
7. Group health education
8. Malpractice in dentistry

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss the cost benefit and cost effectiveness of various preventive methods for dental caries.
2. Discuss the feasibility of fluoridation programmes in India.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Efficacy of resin sealants versus glass ionomer as pit and fissure sealants.
4. Antiplaque agents.
5. ART – Is it a retrograde step?
6. Principles of MID.
7. Benefits of Caries Risk Assessment.
8. Limitations / drawbacks of caries vaccine.

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Discuss the various existing dental health care delivery systems in our country. How do you propose to improve them?
2. Discuss the recent advances in Preventive Dentistry.

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PAPER I - (Revised Scheme 2)**Q.P. CODE : 9415**

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Write in detail about the various theories of pain and its pathway. Add a note on referred pain.
2. Classify local anaesthetics and its mechanism of action. Describe the various anaesthetic techniques employed to achieve pulpal anaesthesia.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Movements of Temporomandibular joint.
4. Fillers in composites
5. Heterogenous corrosion
6. Rheological properties of dental materials
7. Non steroidal anti-inflammatory drugs
8. Streptococcus mutans

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss speeds in dentistry. Explain Bur Design in detail.
2. Critically evaluate dentin bonding agents.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Analyze concept of pin retained restorations.
4. Mercury toxicity.
5. Management of root caries.
6. Explain fracture reattachment.
7. Explain setting reaction of all types of Glass Ionomers.
8. Ceramic Veneers

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss Apex locators.
2. Discuss Endodontic re-treatments

SHORT ESSAY**6 X 10 = 60 Marks**

3. Incision and drainage
4. Root fractures
5. Danger zones in root canal
6. Intra canal medicaments
7. Test cavity
8. Sinuses of endodontic origin

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on ANY ONE

1 X 100 = 100 Marks

1. Write an essay on gold as restorative material
2. Write an essay on evolution of Bonding to dentin

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Describe in detail the surgical anatomy of tongue and write in detail the applied anatomy.
2. Describe in detail about surgical anatomy of submandibular region and write briefly on applied anatomy of submandibular space.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Pleomorphic adenoma.
4. Facial artery
5. Otic ganglion.
6. Odontogenic kercyst.
7. Ameloblastoma.
8. Blood Groups.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Write in detail the management of Pan facial trauma.
2. Define pain. Write in detail the theories and pathways of pain.

SHORT ESSAY

6 X 10 = 60 Marks

3. Felypressin.
4. Blow out fracture.
5. Bioresorbable plate.
6. Cardio pulmonary resuscitation.
7. Telecanthus.
8. Gun shot injuries.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss surgery on midface and the soft tissue changes following it.
2. Discuss soft tissue reconstruction in oral and maxillofacial defects.

SHORT ESSAY

6 X 10 = 60 Marks

3. Nasolabial flap.
4. NOMA.
5. Management of lingual nerve injury.
6. Management of Ameloblastoma
7. Skin grafts in maxillofacial surgery.
8. Tissue Expanders.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on ANY ONE

1 X 100 = 100 Marks

1. Management of Medically compromised patients in maxillofacial practice.
2. Internal Fixation.

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Q.P. CODE : 9431

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss " Saliva – Homeostasis of oral cavity"
2. Development of mandible and age changes.

SHORT ESSAY

6 X 10 = 60 Marks

3. Carcinogenesis.
4. Pain pathway.
5. Effect of excessive corticosteroids on hard and soft tissues of oral cavity.
6. Discuss differential diagnosis of corticosteroids on hard
7. Discuss effect of nutrition on dentition
8. Healing of extraction socket and biopsy wound.

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Q.P. CODE : 9432

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss differential diagnosis for pericoronal radioluscencies and radiolucencies of the jaw
2. Discuss various imaging methods for diagnosis of fracture of mandible.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Indications, advantages and disadvantages of radiotherapy.
4. Ideal radiograph.
5. Application of MRI in diagnosis of pathology in head and neck area.
6. Protection measures in radiology department
7. Rediographic faults and methods of prevention
8. Radioisotopes

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Q.P. CODE : 9433

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss the D/D of cervical lymph node enlargement in detail.
2. Classify ulcerative lesions of the oral mucosa and write the differential diagnosis of recurrent multiple ulcers and their management.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Management of OSMF.
4. Management of Major Aphthous ulcer.
5. Dental management in Patients with coronary heart disease
6. FNAC
7. Laser therapy in Oral medicine.
8. Investigations and management of Pernicious Anemia.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on ANY ONE

1 X 100 = 100 Marks

1. TMJ imaging
2. Role of Chemotherapy in oral Malignancies

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Q.P. CODE : 9435

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss in detail the Pathophysiology, classification, clinical features and various investigations in anemia
2. Describe in detail the course, relations, branches and the applied aspects of the mandibular nerve

SHORT ESSAY

6 X 10 = 60 Marks

3. Applied anatomy of maxillary sinus
4. Cox 2 inhibitors
5. Acute inflammation
6. Antiviral drugs used in HIV infection
7. Vitamin D and Calcium metabolism
8. Balanced diet

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the radiopaque lesions of the jaws.
2. Scintigraphy.

SHORT ESSAY

6 X 10 = 60 Marks

3. Penny test (Coin test) and its significance.
4. Personnel monitoring devices for radiation protection.
5. Radiographic appearance of fibrous dysplasia and osteosarcoma.
6. Submento vertex view.
7. Processing solutions.
8. Effects of ionizing radiation at cellular and molecular level.

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Q.P. CODE : 9437

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the differential diagnosis of spontaneous gingival bleeding with emphasis on laboratory investigations.
2. Deep fungal infections of the oral cavity.

SHORT ESSAY

6 X 10 = 60 Marks

3. Mucoepidermoid carcinoma.
4. Management of complications of oral cancer treatment.
5. Classify pigmented lesions of the oral cavity and add a note on Melanin.
6. Xerostomia.
7. Exfoliative cytology.
8. MPDS.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Classification, diagnosis and management of Temporomandibular joint disorder
2. Basic concepts and applications of ultrasonography

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Role of soft tissue as influencing the growth and development of the face.
2. Genetic disorders involving 1st pharyngeal arch.

SHORT ESSAY

6 X 10 = 60 Marks

3. Development of speech.
4. Glass ionomers for Orthodontic bonding purpose.
5. Saliva and its role in controlling bacteria in oral cavity.
6. Influence of Heredity on malocclusion.
7. Discuss various stages of development of a child.
8. Parathyroid hormone in tooth movement.

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Q.P. CODE : 9446

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Changes in orthodontic materials since the 18th century.
2. Development of occlusion and its influence on the position of teeth.

SHORT ESSAY

6 X 10 = 60 Marks

3. Keys to normal occlusion.
4. Radiological developments in Orthodontic case diagnosis.
5. Evolution of arch expansion devices in Orthodontics.
6. Tweed's analysis.
7. Nance and Carey's analysis.
8. Median diastema – esthetic value?

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. How do you select a case for treatment with " INVISALINERS"?
2. The " Accuracy" of present Computer Software in Surgical Orthodontic case diagnosis and treatment planning?

SHORT ESSAY**6 X 10 = 60 Marks**

3. "TURBO-WIRES" in Orthodontics?
4. Management of Open Bite cases?
5. Recent Mandibular Protraction Appliances?
6. Concept and fundamentals of Lingual Orthodontics?
7. How do you manage a 13 years. Boy with Class III Skeletal pattern?
8. Management of Ceramic Brackets in Clinical Practice?

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Interdisciplinary orthodontics
2. Temporary anchorage devices (TAD's)

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Q.P. CODE : 9455

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss dentinogenesis with its anomalies
2. Define degeneration. What are the types of degenerations? Describe fatty degeneration

SHORT ESSAY**6 X 10 = 60 Marks**

3. Embolism
4. Development of maxillary antrum
5. Xerostomia
6. Mean, mode, median
7. Double blind study
8. Anaerobic microorganism

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Q.P. CODE : 9456

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Fungal infections affecting the oral cavity
2. Discuss Fibrous dysplasia of bone

SHORT ESSAY**6 X 10 = 60 Marks**

3. Bite marks.
4. Fissural cysts of maxilla – recent concepts.
5. Herpes Simplex infections.
6. Effects of radiation on oral tissues.
7. Developmental malformations of Teeth.
8. Allergic disorders affecting the oral cavity.

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Q.P. CODE : 9457

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss saliva as a diagnostic tool.
2. Mention premalignant lesions and conditions and give a detailed account of oral lichen planus with a special emphasis on electron microscopic features.

SHORT ESSAY

6 X 10 = 60 Marks

3. Neurofibromatosis.
4. Oncogenes.
5. Dark ground microscopy.
6. Mucoepidermoid carcinoma.
7. Stains for amyloid.
8. Oral Nevi.

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on ANY ONE

1 X 100 = 100 Marks

1. Viral infections.
2. Orofacial Pain.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the composition and mechanism of secretion of saliva. What is its role in prevention of dental diseases?
2. Describe the mechanism of tooth eruption on the basis of various theories proposed, and the applied aspects there of.

SHORT ESSAY

6 X 10 = 60 Marks

3. Cleft lip and palate.
4. Balanced diet.
5. Mutans Streptococci.
6. Neural regulation of respiration.
7. Physiology of blood coagulation.
8. Gross and microscopic structure of primary tooth enamel.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Define and classify oral habits. Discuss in detail about mouth breathing habit.
2. Discuss the management of a known HIV patient.

SHORT ESSAY

6 X 10 = 60 Marks

3. Stephen's curve
4. Caries risk assessment
5. Serial extraction
6. Mineral trioxide aggregate.
7. Behaviour modification
8. Apexogenesis

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Q.P. CODE : 9467

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Write on the history of fluoride and stage the milestone studies.
2. Discuss role of pedodontist in sports dentistry.

SHORT ESSAY

6 X 10 = 60 Marks

3. Standard deviation
4. Xylitol
5. Enamel remineralizing agents
6. Sampling
7. Fluoride mouth rinses
8. Parent counseling

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Diet and dental caries
2. Global and Indian trends in the epidemiology of dental disease in children

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Facial artery
2. Hemostasis

SHORT ESSAY**6 X 10 = 60 Marks**

3. Parathyroid hormone
4. Oral phase of swallowing
5. Vasoconstrictors in local anesthesia
6. Personal protective clothing in Infection control
7. Composition of Saliva
8. Hypersensitivity response

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(Revised Scheme 2)

Q.P. CODE : 9476

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Discuss the microscopic structure of gingiva.
2. Discuss the role of genetics in the etiopathogenesis of Aggressive periodontitis.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Microbial complexes
4. Reactive oxygen species
5. Hormonal influences on gingival tissue
6. Periodontal screening and recording
7. Non plaque induced gingival lesions
8. Acute phase proteins

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Q.P. CODE : 9477

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Write in detail about the use of systemic antibiotics in the management of periodontal disease.
2. Define osseointegration. Write in detail about the mechanism of osseointegration of dental implants? Add a note on primary stability

SHORT ESSAY

6 X 10 = 60 Marks

3. Techniques in harvesting autogenous bone grafts
4. Treatment of furcation involvement
5. Diode lasers
6. Platelet rich plasma (PRP)
7. Management of drug induced enlargement
8. Ridge augmentation for implant placement

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Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Supportive periodontal therapy?
2. Periodontal regeneration.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Name the facial muscles. Discuss management of patient with bells palsy for complete denture prosthesis
2. Discuss dentinogenesis Imperfecta – Esthetic treatment modalities

SHORT ESSAY**6 X 10 = 60 Marks**

3. Muscles of tongue, their neurovascular supply
4. Recent advancement in impression materials.
5. Management of an AIDS patient for prosthodontic treatment
6. Metal free ceramics
7. Geriatric changes in oral mucosa
8. Sterilization methods of impressions obtained from the patients for prosthodontic treatment

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Diagnosis and treatment planning for patients with implant prosthesis.
2. Occlusal concepts for complete denture patients.

SHORT ESSAY**6 X 10 = 60 Marks**

3. Diagnostic criteria for classifying edentulous patients
4. Bennett movement of the mandible
5. Progressive loading of dental implants
6. Third point of reference
7. Centric relation.
8. Surgical obturators

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Q.P. CODE : 9487

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY

2 X 20 = 40 Marks

1. Principles of occlusion in fixed Prosthodontics.
2. Management of TMJ dysfunction syndrome.

SHORT ESSAY

6 X 10 = 60 Marks

3. Finishing the cast restorations.
4. Tissue management and methods of tissue displacement procedures in FPD.
5. Elastomeric impression materials and impression techniques in FPD.
6. Casting machines and casting techniques.
7. Restoration of the endodontically treated tooth.
8. Implant supported fixed prosthesis.

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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. **Answer any ONE question**

Write essay on **ANY ONE**

1 X 100 = 100 Marks

1. Implant supported prosthodontics
2. Theories of occlusion in CD prosthetic treatment

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