

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 development musculature, innervations of tongue; add a note on its function.
2. Parametric and non parametric tests of significance

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Sampling procedures
4. Functions of blood
5. NSAIDS
6. Vitamin D
7. Structure of a tooth
8. Immunization

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Draw neat labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Discuss the role of audio visual aids in improving the health status of rural Indian population
2. Discuss the role of WHO in improving oral health across the globe

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Priority groups
4. Population explosion and health
5. Principles of health education
6. Presentation of data
7. Association and causation
8. Disposal of hospital waste

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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 about epidemiology of dental caries
2. Write an essay on role of dental auxiliaries in oral health care

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Forensic dentistry
4. Dental council of India
5. Interceptive orthodontics
6. History of dental public health
7. Planning in oral health programmes
8. Primary prevention of periodontal disease

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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. Health care delivery system in India - Critically evaluate
2. Describe in detail about dental manpower requirements in India.

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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. Discuss microbial flora of infected root canal canals.
2. Describe diabetes mellitus and its effects on the oral environment.

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

3. Discuss types, etiology and clinical features of enamel hypoplasia.
4. Write in detail about inlay wax.
5. Influence of diet on dental caries.
6. Briefly describe the age changes in enamel, dentin, pulp and cementum and discuss their clinical significance.
7. What are biomimetic substances.
8. Recent developments in glass inomer cements.

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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. Explain in detail on classification, etiology and management of non carious lesions
2. Discuss posterior composite restorative materials

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Matrices used for complex amalgam restoration
4. Aluminous porcelain
5. Minimally invasive dentistry
6. Lasers in cavity preparation
7. Tooth separation
8. Defects in casting

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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 in detail the importance of the working length and method of measuring the same.
2. Discuss in detail the principles of endodontic practice.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Management of vertical root fracture of a multirouted tooth.
4. Uses of microscopes in endodontics.
5. Write about 'sodium hypochlorite accident' and its management.
6. Discuss current status of pulp capping.
7. Bleaching of discolored teeth.
8. Transplantation.

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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 recent controversies in use of dental amalgam as a restorative material.
2. Discuss the recent advances in restoration of endodontically treated teeth.

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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. Infection control in Maxillofacial surgery
2. Discuss the role of Neural crest cells in cranial facial development. Mention a few syndromes associated with aberration of same and write in detail on any one of them

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Lingual nerve
4. Little's area
5. Botryoid odontogenic cyst
6. Premedication
7. Infective endocarditis
8. Liver function test

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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 clinical features and management of zygomatic complex fractures
2. Classify impactions of the lower third molar and describe your assessment of an impacted lower third molar

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Role of antibiotics in dry socket healing
4. Management of Residual Cyst
5. Removal of a tooth / root in the maxillary sinus
6. Incision & drainage of a Buccal Space abscess
7. Management of unilateral subcondylar fracture in an adult patient
8. Malunited Mandibular fractures

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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 Myofacial Pain Dysfunction Syndrome.
2. Surgical Management of Retrognathia.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Trigeminal Neuralgia
4. Bisphosphonates
5. Sentinel lymphnodes
6. Danger space of the Neck.
7. Management of Adenoma of the major salivary gland.
8. Laser's in maxillofacial Surgery.

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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. Radiation in Head and Neck Cancer.
2. Distraction osteogenesis Verses Orthognathic Surgery.

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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 the functional components and testing of 5<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup> and 12<sup>th</sup> cranial nerves. Explain the anatomical basis of clinical features of facial nerve palsy
2. Briefly discuss how blood calcium level is regulated. Give differential diagnosis of soft tissue. Calcifications in the head and neck region

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

3. Importance of balance diet
4. Anaphylaxis
5. Blood groups
6. Bone changes after extraction of tooth
7. Briefly enlist genetic disorders confined to dental structures
8. Dental management of patient with decreased salivation

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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 radiographic differential diagnosis of mixed lesions of Jaws.
2. Discuss the diagnostic imaging for Dental Implants.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Zimmer Projections
4. Digital subtraction Radiography
5. Positron Emission Tomography
6. Acute Radiation Syndrome
7. Automatic film processing
8. Radiographic appearance of fibrous dysplasia

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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 Bleeding Gums. How will you systematically proceed in arriving at a diagnosis
2. Enumerate the premalignant lesions and conditions of the oral cavity. Describe the diagnosis and management of oral sub mucous fibrosis

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

3. Laser therapy in oral medicine
4. Management of trigeminal neuralgia
5. Give differential diagnosis of trismus
6. Immuno – modulators
7. Give differential diagnosis for palatal perforations
8. Oral manifestations of drug reactions

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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. Pain in Oral Medicine clinic
2. Role of advanced imaging modalities in diagnosis of Maxillofacial lesions

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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 embryology, anatomy, blood supply, nerve supply and functions of the tongue
2. Discuss the role of the pituitary gland in regulating body function

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Phosphate metabolism
4. Butler's field theory
5. Titanium – molybdenum alloys
6. Prostaglandins
7. Vitamin D
8. Bonding primers

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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. Define "SMILE"? What is its relation with MAL-OCCLUSION?
2. What is "FACIAL – ESTHETICS"? How it is changing from "YESTERDAY TO TODAY"?

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

3. The most reliable methods of growth assessment in children.
4. Orthodontic brackets for present esthetic trends.
5. Concept of "ATTRITIONAL OCCLUSION" for 21 century.
6. "Angle's Molar Relationship" – its position for present Orthodontic Concepts.
7. Evolution of Orthodontic Brackets from times of William Kingsley.
8. Different concepts of Orthodontic Office Designs.

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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. What are the factors you consider in selecting a technique for particular type of mal occlusions.
2. Application of functional force is only solution to the problems of physiological tooth movement in Orthodontics – your comments?

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Self ligation brackets Vs conventional brackets.
4. Posterior unilateral cross bite.
5. Role of Orthodontist in Cleft-Palate treatment.
6. Discuss different methods root torque in Orthodontics.
7. Define “Rest Position” of mandible and its clinical assessment.
8. Management of Deep Bite cases.

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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 Skeletal malocclusions.
2. Orthodontic Education in India.

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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. Describe Dento gingival junction add a note on its shift
2. Discuss the vascular and cellular events in inflammation

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Hypocalcified structures in enamel
4. Taste buds
5. Submandibular salivary Gland
6. Desmosomal junctions
7. Development of palate
8. Case control and cross sectional studies

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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. Discuss on sequelae of dental caries write on acute and chronic apical periodontitis
2. Discuss on the clinical manifestation in varicella Zoster and Herpes Simplex type I infection

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

3. Acute pseudo membranous Candidiasis
4. Anomalies of the tongue
5. Types of palatal rugae and their role in identity
6. Antigen and antibody mediated hyper sensitivity reaction
7. Glandular odontogenic cyst
8. Oral manifestations in Tuberculosis

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(Revised Scheme 2)

**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. Describe techniques for diagnosis of HIV infection
2. Describe the differential features of malignant salivary gland tumors

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Histochemical techniques for collagen
4. Chair side diagnosis for white lesions
5. Describe immunohistochemistry of vesiculobullous lesions
6. Advantages and disadvantages of decalcifying agents
7. Describe ameloblastic fibro odontoma
8. Describe burkitt's lymphoma

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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 diseases of bone
2. Dental caries

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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 about functional matrix hypothesis (FMH), its clinical applications and constraints. Add a note on update on FMH
2. Discuss the effects of imbalance between calcium and phosphorous and its effect on the oral tissues due to changes in the activity of parathyroid gland

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Pre – deciduous dentition
4. Saliva – Caries inhibitory factors
5. Favorable eruption sequence and its clinical importance
6. Age changes in mandible – its clinical significance
7. Pathophysiology of circulatory shock – its management in dental setup
8. Herpes 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. Explain in detail about traditional cavity preparations in primary teeth and add a note on minimal intervention dentistry
2. Glass ionomers and related cements and their importance in pediatric dental practice

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Secondary spacing and its importance
4. Dental concerns of hemophilic child
5. Oral screen
6. Necrobiosis
7. Anterior crossbite correction in primary teeth
8. Tooth transportation media – add a note on the recent media

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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. Enumerate different scales and questionnaires developed to measure pain and anxiety in children
2. What is the role of dentist in identifying cases of child abuse and neglect? How can you draw a line between abuse – punishment and neglect – ignorance

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

3. Defiant behavior of a child – dentist role of guiding
4. Child formula dentifrices
5. The dental home
6. Risks and benefits of pacifiers – AAP and AAPD guidelines for usage
7. Power of a test in biostatistics and its importance
8. Rate, ratio and proportion

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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. Plaque control measures in pediatric dentistry
2. Indices used in paediatric 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. Describe the non-collagenous proteins of periodontium. Describe their role in health and disease.
2. Describe in detail about the muscles of mastication

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Anti – Microbial peptides
4. Maxillary sinus
5. Bone remodeling
6. Gingival crevicular fluid
7. Cementogenesis
8. Pro inflammatory cytokines

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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. Classify gingival enlargement? Write in detail about drug induced gingival enlargement
2. What is infrabony pocket, describe the pathogenesis of infrabony pocket and add a note on various types of bony defects.

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

3. Probiotics in periodontal therapy
4. Vascular endothelial growth factor
5. Interleukin – 1 (IL-1)
6. Polymicrobial community
7. Transcription factors
8. Indices used to evaluate outcomes of therapy

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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. Discuss approaches for Periodontal Tissues Engineering.
2. Discuss advance diagnostic aids.

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

3. Management of Halitosis
4. Antioxidants
5. Citric acid and fibronectin in periodontal therapy
6. Subantimicrobial dose doxycycline
7. Probiotics
8. Crown lengthening

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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. LASER (light amplified and stimulated emission of radiation) in periodontics
2. Application of tissue engineering in periodontal defects

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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 about the types of salivary glands. Give histological differences of the salivary glands with a note of relation of saliva and prosthodontic treatment
2. Bio – compatability of materials used in prosthodontic treatment

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Development of mandible
4. Calcium metabolism
5. Muscles of tongue.
6. Hypertension.
7. Bleeding disorders and prosthodontic management
8. Mandibular movements

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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. Treatment options for posterior free end saddle conditions (Class I Kennedy's)
2. Classify cleft lip and cleft palate conditions and write management of cleft palate case

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Different surface treatment methods of implants for better osseo –integration
4. Immediate complete denture
5. Merits and demerits of various classifications of partially edentulous arches.
6. Over –dentures –Advantages and disadvantages
7. Importance of face – bow in CD construction
8. Management of gag – reflex in 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. Write in detail about retentive factors in fixed prosthodontic treatment. " Luting Cement is not a retentive factor" – justify the statement
2. Esthetic considerations in fixed prosthodontic treatment

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Explain types of occlusions in FPD treatment
4. Principles of tooth preparation to receive a laminate
5. Explain methods of Temporization
6. Classify pontics and explain sanitary pontic
7. What are the precautions to be taken with a periodontally treated abutment
8. Merits and demerits of All ceramic crown

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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. Neutral zone.
2. Prosthodontic rehabilitation of edentulous and dentate maxillectomy patients.

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