

KAVERI-II (2008 COURSE) : SUMMER 2015
SUBJECT : GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS

Day : *Saturday*
Date : *02-05-2015*

Time : *9-00 A.M. To 12-00 Noon*
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Both the sections should be written in **SEPARATE** answer books.

SECTION-I

Q.1 Long Essay Questions (Any One) (10)

- a) Classify anti-platelet drugs. Mention their mechanism of action, uses and adverse effects.
- b) Classify atropine substitutes. Write mechanism of action, uses and adverse effects of atropine.

Q.2 Short Essay Questions (Any Three) (15)

- a) Define and enlist mummifying agents. Describe the mechanism of action and adverse effects of tannic acid.
- b) Mention properties of ideal antiseptic agent. Describe pharmacological actions and uses of hydrogen peroxide.
- c) Define bleaching agents. Enlist bleaching agents with their specific uses.
- d) Write briefly about chemoprophylaxis in dental practice.

Q.3 Short Answer Questions (Any Five) (10)

- a) Define synergism. Mention 2 examples.
- b) Mention 4 uses of β -blockers.
- c) Role of sublingual nitrates in acute attack of angina.
- d) Rationale for combination of adrenaline with lignocaine.
- e) Discuss 4 uses of corticosteroids.
- f) Enumerate skeletal muscle relaxants with their uses.

SECTION-II

Q.4 Long Essay Questions (Any One) (10)

- a) Classify semisynthetic penicillins. Write mechanism of action, adverse effects and uses of amoxycillin.
- b) Classify opioid analgesics. Write mechanism of action, adverse effects and uses of Pentazocine.

Q.5 Short Essay Questions (Any Three) (15)

- a) Enumerate classes of gastric acid reducing drugs with their uses.
- b) Mention uses and adverse effects of Metronidazole.
- c) Write advantages and disadvantages of oral route of administration.
- d) Describe mechanism of action and uses of Diazepam.

Q.6 Short Answer Questions (Any Five) (10)

- a) Role of oral rehydration solution in diarrhoea.
- b) Uses of calcium.
- c) Rationale for giving pyridoxine with INH in tuberculosis patients.
- d) Indications of Insulin in Type-II diabetic patients.
- e) Role of salbutamol in acute attack of asthma.
- f) Use of K^+ -sparing diuretics with Thiazides in the treatment of hypertension.

KAVERI-IV (2008 COURSE) : SUMMER 2015
SUBJECT : ORAL MEDICINE AND RADIOLOGY

Day : Thursday
Date : 14.05.2015

Time : 1.00 P.M. To 4.00 P.M.
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Both sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Answer the following (Any One) (10)
- a) Classify various temporomandibular joint disorders and write in detail about myofascial pain dysfunction syndrome.
 - b) Give differential diagnosis of swelling in the floor of mouth.
- Q.2** Write short note on (Any Three) (15)
- a) Clinical features and management of erythema multiforme.
 - b) Amelogenesis imperfecta.
 - c) Oral manifestations of diabetes mellitus.
 - d) Bacterial sialadenitis.
- Q.3** Answer the following (Any Five) (10)
- a) Name different clinical forms of recurrent aphthous stomatitis with one distinguishing feature for each.
 - b) Define biopsy and list its different types.
 - c) Enumerate various granulomatous diseases affecting the oral cavity.
 - d) List four applications of ultrasonography in dentistry.
 - e) Name the papillae of tongue.
 - f) Enumerate all the clinical varieties of Leukoplakia.

SECTION-II

- Q.4** Answer the following (Any One) (10)
- a) Classify cysts of jaws and give detailed description of the dentigerous cyst along with its management.
 - b) Describe various image receptors in radiography with a note on advantages and disadvantages of each.
- Q.5** Write short note on (Any Three) (15)
- a) Garre's osteomyelitis.
 - b) Magnetic Resonance Imaging.
 - c) Collimation.
 - d) Radiographic features of ameloblastoma.
- Q.6** Answer the following (Any Five) (10)
- a) Name four extraoral radiographic projections.
 - b) List non odontogenic cysts of jaws.
 - c) Write four radiographic features of fibro-osseous disorders.
 - d) Define forensic odontology.
 - e) Define X-ray processing.
 - f) Enumerate different radiation effects on oral tissues.

KAVERI-IV (2008 COURSE) : WINTER - 2015
SUBJECT : ORAL MEDICINE AND RADIOLOGY

Day : Saturday
Date : 07/11/2015

Time : 01.00 PM TO 04.00 PM
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Both sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Answer the following (Any **One**) (10)
- a) What are the premalignant lesions and conditions of oral mucosa? Describe any one in detail.
 - b) Describe the oral diagnostic process with a note on significance of each step in the process.
- Q.2** Write short note on (Any **Three**) (15)
- a) Exogenous pigmentation.
 - b) Paget's disease.
 - c) Treatment modalities for cancer.
 - d) Sialolithiasis.
- Q.3** Answer the following (Any **Five**) (10)
- a) Name four types of pemphigus.
 - b) Name two differences between leukoplakia and oral candidiasis.
 - c) Write two local and two systemic factors predisposing ANUG.
 - d) Enumerate causes of tooth discoloration.
 - e) List the viral infections manifesting in oral cavity.
 - f) Mention the advantages and disadvantages of digital radiography.

SECTION-II

- Q.4** Answer the following (Any **One**) (10)
- a) Describe occlusal radiography. Write in detail about the technique and indications for lateral topographic occlusal projection of maxilla.
 - b) What are fibro-osseous disorders? Describe clinical features, radiographic appearances and treatment of fibrous dysplasia in detail.
- Q.5** Write short note on (Any **Three**) (15)
- a) Compound composite odontome.
 - b) Radiographic features of early periodontitis.
 - c) Composition of dental X-ray film.
 - d) Effects of radiation on teeth.
- Q.6** Answer the following (Any **Five**) (10)
- a) List four inflammatory reactions of bone encountered in the jaws.
 - b) Name developmental anomalies affecting the structure of tooth.
 - c) Enumerate the methods of developing X-ray films.
 - d) Name two benign and two malignant pathologies originating from mesenchymal tissue.
 - e) List the traumatic injuries associated with teeth.
 - f) Define ideal radiograph.

KAVERI-IV (2008 COURSE) : SUMMER 2015
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

Day : Tuesday
Date : 12.05-2015

Time : 1.00 P.M. To 4.00 P.M.
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Both sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** Answer the following (Any **One**) **(10)**
- a) Define growth and development. Write a note on growth spurts and their clinical significance in orthodontics.
 - b) Classify abnormal oral habits. Write in detail etiology, various effects and management of tongue thrusting habit.
- Q.2** Write short note on (Any **Three**) **(15)**
- a) Explain early and late mesial shift.
 - b) Explain Ackermann and Profitt classification.
 - c) Etiology of cleft lip and palate.
 - d) Define Anchorage. Explain the reinforced and reciprocal anchorage.
 - e) Explain Buccinator mechanism.
- Q.3** Answer the following (Any **Five**) **(10)**
- a) Significance of primate spaces.
 - b) Define point basion (Ba), Bolton (Bo) Menton (M) and point A on a lateral cephalogram.
 - c) Write 2 differences between simple and complex tongue thrust.
 - d) Define normal occlusion.
 - e) Explain Dewey's modification to Angies class 1 malocclusion.
 - f) What are Fontanelles?
 - g) Explain Simon's law of canine.

SECTION-II

- Q.4** Answer the following (Any **One**) **(10)**
- a) A 10 year old male child comes to your clinic with history of thumb sucking habit. Write step by step treatment approach for correction of this habit.
 - b) Define and classify myofunctional appliances. Explain Activator appliance in detail.
- Q.5** Write short note on (Any **Three**) **(15)**
- a) Write composition and properties of B-titanium wire.
 - b) Explain indications and procedure for interproximal stripping.
 - c) Describe treatment of moderate crowding.
 - d) Write active and passive component of fixed appliance with their uses.
 - e) Piezoelectric theory of orthodontic tooth movement.
- Q.6** Answer the following (Any **Five**) **(10)**
- a) Two types of canine retractors with indication.
 - b) Define soldering and welding.
 - c) Give 2 orthodontic preventive procedures.
 - d) Classify crowding on the basis of etiology.
 - e) Write indicating of reverse pull head gear.
 - f) Composition of NiTi arch wire.
 - g) Explain composite photograph.

KAVERI-IV (2008 COURSE) : WINTER - 2015
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

Day : Thursday
Date : 05/11/2015

Time : 01.00 PM TO 04.00 PM
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Both sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** Answer the following (Any One) (10)
- a) Define growth and development. Describe Postnatal growth of mandible.
 - b) What are Andrews's six keys of Normal occlusion? Discuss the factors responsible for the development of Normal occlusion.
- Q.2** Write short note on (Any Three) (15)
- a) Explain Simon's classification of malocclusion.
 - b) Define and classify Anchorage. Explain absolute anchorage.
 - c) Compare longitudinal and cross sectional study.
 - d) Explain Hyalinization during orthodontic tooth movement.
 - e) Explain effects of mouth breathing habit on dentition.
- Q.3** Answer the following (Any Five) (10)
- a) Define point gonion (Go), gnathion (Gn), Porion (Po) and nasion (N) on lateral cephalogram.
 - b) What is Dunlop's beta hypothesis?
 - c) Define center of resistance and center of rotation of a tooth.
 - d) Give sequence of eruption of permanent teeth.
 - e) Name Sheldon's body type.
 - f) Ectopic eruption of Maxillary 1st permanent molar.
 - g) What is cephalocaudal gradient of growth?

SECTION-II

- Q.4** Answer the following (Any One) (10)
- a) A male patient age 12 years, complains of protrusive upper front teeth with convex profile and angle ANB of 6°. Discuss the differential diagnosis, probable etiology and the treatment plane for correcting this malocclusion.
 - b) Enumerate various methods of gaining space during orthodontic treatment. Describe in detail, Extraction of teeth, as one of the method of gaining space.
- Q.5** Write short note on (Any Three) (15)
- a) NiTi arch wire.
 - b) Write skeletal and dental effects of activator treatment.
 - c) Pressure tension theory of orthodontic tooth movement.
 - d) Give differences between Begg's and Preadjusted Edgewise appliance.
 - e) Classify space maintainer. Explain any one of cantilever type of space maintainer in detail.
- Q.6** Answer the following (Any Five) (10)
- a) Limitations of Orthopantomogram (O.P.G.).
 - b) Ponts Index.
 - c) Enumerate the modifications of the activator appliance.
 - d) Enumerate different types of retentive clasps used in removable appliances.
 - e) Classify crowding on the basis of its etiological factors.
 - f) Explain bioelectric potential.
 - g) Explain philosophy of Bionator appliance.

KAVERI -IV (2008 COURSE): WINTER - 2015
SUBJECT: PERIODONTOLOGY

Day: Tuesday
Date: 03/11/2015

Time: 01.00 PM TO 04.00 PM
Max. Marks: 70

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

Q.1 Long Questions (Any **ONE**) **(10)**

Define Cementum and describe structure, composition and clinical significance of cementum.

OR

Define periodontal pocket. Classify periodontal pocket. Give its clinical signs, symptoms and treatment modalities of periodontal pocket.

Q.2 Write short notes on (Any **THREE**) **(15)**

- a) Fenestration and dehiscence
- b) Gingival Crevicular fluid
- c) Use of Radiographs in diagnosis of periodontal disease
- d) Principles of instruments and Instrumentation

Q.3 Objectives Questions(Any **FIVE**) **(10)**

- a) Radiographic features of localized aggressive periodontitis.
- b) Define and classify plaque.
- c) Define trauma from occlusion
- d) Functions of attached gingiva.
- e) Define and classify furcation involvement
- f) Enumerate the oral manifestations of AIDS.

SECTION-II

Q.4 Long Questions: (Any **ONE**) **(10)**

Classify peri-radicular disease. Discuss the treatment considerations of endo-perio lesion.

OR

Enumerate the types, indication, contraindications and rationale of curettage. Discuss the techniques of gingival curettage.

Q.5 Write short notes on (Any **THREE**) **(15)**

- a) Periodontal dressings
- b) Piezo surgery
- c) Cone beam computed tomography
- d) Periodontal splints

Q.6 Objective Questions(Any **FIVE**) **(10)**

- a) Root Resection
- b) Cervical Enamel Projections
- c) Computed Tomography
- d) Hemostasis
- e) Periodontal surgical instruments
- f) Horizontal incisions

KAVERI – IV (2008 COURSE): SUMMER – 2015
SUBJECT: PUBLIC HEALTH DENTISTRY

Day: Tuesday
Date: 05-05-2015

Time: 1.00 P.M. To 4.00 P.M.
Max. Marks: 70

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

Q.1 Long Questions (Any **ONE**) **(10)**

Define oral health. Explain the characteristics of public health work.

OR

Define epidemiology. Write in detail about various epidemiological methods.

Q.2 Write short notes on (Any **THREE**) **(15)**

- a) Theories of caries etiology.
- b) Public health in India.
- c) Role of sugar substitutes in oral health
- d) School water fluoridation.

Q.3 Objective Questions (Any **FIVE**) **(10)**

- a) Methods of data collection.
- b) Define index
- c) Requisites for a reliable sample
- d) Enumerate various types of charts and diagrams.
- e) Levels of prevention with regard to oral cancer.
- f) ADA specifications of a toothbrush.

SECTION-II

Q.4 Long Questions: (Any **ONE**) **(10)**

Classify finance in Dentistry. Discuss in detail about various types of Payment Plans in Dentistry.

OR

Define survey. Discuss in detail about various steps involved in survey.

Q.5 Write short notes on (Any **THREE**) **(15)**

- a) Types of Evaluation.
- b) Various forms of smokeless tobacco and its ill effects.
- c) Informed Consent.
- d) Differences between Case Control and Cohort studies.

Q.6 Objective Questions(Any **FIVE**) **(10)**

- a) Dentist patient relationship.
- b) Health care delivery systems in India.
- c) Stephens Curve.
- d) Baby bottle tooth decay.
- e) Define endemic and pandemic disease
- f) DCI

KAVERI – IV (2008 COURSE): WINTER - 2015
SUBJECT: PUBLIC HEALTH DENTISTRY

Day: Saturday
Date: 31/10/2015

Time: 01.00 PM TO 04.00 PM
Max. Marks: 70

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1** Long Questions (Any **ONE**) **(10)**
Define public health. Write in detail about concepts of causation.
OR
Define epidemiology. Write in detail about epidemiology of dental caries.
- Q.2** Write short notes on (Any **THREE**) **(15)**
a) Comparison between case control and cohort studies.
b) National oral health policy.
c) Role of vitamin C in oral health.
d) Mechanism of action of fluorides in dentistry.
- Q.3** Objective Questions(Any **FIVE**) **(10)**
a) Duties of public health dentist.
b) Objectives of oral health education.
c) Ideal requirements of school dental health program.
d) Classify tables.
e) Enumerate tests of significance.
f) Disclosing agents.

SECTION-II

- Q.4** Long Questions: (Any **ONE**) **(10)**
Define Biostatistics. Write in detail about various types of sampling methods.
OR
Classify Solid Waste. Describe in detail various methods of solid waste disposal.
- Q.5** Write short notes on (Any **THREE**) **(15)**
a) Nalgonda technique of water defluoridation.
b) Conclusions of Vipeholm hospital study.
c) Iceberg Phenomenon of Disease.
d) ART
- Q.6** Objective Questions(Any **FIVE**) **(10)**
a) CPTIN probe
b) IDA
c) Functions of WHO
d) Types of examination in survey
e) Sources of water
f) Dental jurisprudence