

KAVERI-II : APRIL/ MAY 2007
SUBJECT : GENERAL AND DENTAL PHARMACOLOGY

Day : Monday
Date : 07/05/2007

Time : 9.30 AM TO 12.30 PM
Max. Marks : 60.

N.B.:

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

- Q.1** Write short notes on any **TWO** of the following: (10)
- a) Obtundents
 - b) Anticaries agents
 - c) Demulcents
- Q.2** Classify 'CEPHALOSPORINS' with examples. Describe the spectrum of activity, (10)
uses and adverse effects of 'THIRD GENERATION CEPHALOSPORINS'.
- Q.3** Write briefly on :
- a) Selective serotonin reuptake Inhibitors (04)
 - b) Plasma protein binding (03)
 - c) Teratogenicity. (03)

SECTION-II

- Q.4** Write briefly on any **TWO** of the following: (10)
- a) Therapeutic uses and adverse effects of benzylpenicillin
 - b) Gentamicin
 - c) Types of insulin preparations with their uses.
- Q.5** Classify 'ADRENERGIC AGONISTS'. Describe the therapeutic uses and adverse (10)
effects of 'ADRENALINE'.
- Q.6** Write short notes on :
- a) Metoclopramide (04)
 - b) Atropine substitutes (03)
 - c) Warfarin sodium. (03)

KAVERI-II : Oct. Nov. 2007
SUBJECT : GENERAL AND DENTAL PHARMACOLOGY

Day : Monday
Date : 05-11-2007

Time : 9-00 a.m. To 12-00 noon
Max. Marks : 60.

N.B.:

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

SECTION-I

- Q.1** Write briefly on (Any **TWO**) (10)
- a) Oral Antacids.
 - b) Mummifying agents.
 - c) Obtundent.
- Q.2** Differentiate between OPIOD and NONOPIOD ANALGESICS. Describe the pharmacological actions, uses and adverse effects of 'NIMESULIDE.' (10)
- Q.3** Write short notes on :
- a) Ketamine. (04)
 - b) Crystalloid plasma substitutes. (03)
 - c) Prophylactic vaccines. (03)

SECTION-II

- Q.4** Write briefly on any **TWO** of the following: (10)
- a) Oral Rehydration Solution.
 - b) Second generation Caephalosporins.
 - c) Problems in the use of Anti-microbial agents.
- Q.5** Classify 'PENICILLINS.' Describe AMINOPENICILLIN'S in detail. (10)
- Q.6** Write short notes on :
- a) Human Insulin. (03)
 - b) Angiotensin - Converting Enzyme Inhibitors. (04)
 - c) Vitamin B₆. (03)

KAVERI-II : APRIL/ MAY 2007
SUBJECT : GENERAL PATHOLOGY, MICROBIOLOGY AND PARASITOLOGY

Day : Wednesday
Date : 09/05/2007

Time : 9.30 AM TO 12.30 PM
Max. Marks : 60.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Answers to the two sections should be written in **SEPARATE** answer books.
 - 3) Figures to the **RIGHT** indicate full marks.
 - 4) Draw neat diagrams wherever necessary.
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SECTION-I

- Q.1** Define Inflammation. Describe etiopathogenesis and events of acute inflammation. (11)
- Q.2** Write short notes on any **TWO** of the following: (10)
- a) Differentiate between Dry gangrene and wet gangrene.
 - b) Diagnosis of cancer.
 - c) Complications of Atherosclerosis.
- Q.3** Write short notes on any **THREE** of the following: (09)
- a) Metastatic calcification
 - b) Jaundice
 - c) Rickets
 - d) Megaloblastic anaemia.

SECTION-II

- Q.4** Enumerate microorganisms causing hospital cross infection. Describe morphology, cultural characteristics, pathogenicity, Toxins and enzymes produced by Staphylococcus aureus. Discuss the laboratory diagnosis of Staphylococcal wound infections. (11)
- Q.5** Write short notes on any **TWO** of the following: (10)
- a) Innate immunity
 - b) Non suppurative sequelae of streptococcus pyogenes infection
 - c) Atypical mycobacteria.
- Q.6** Write short notes on any **THREE** of the following: (09)
- a) Laboratory diagnosis of fungal infection
 - b) Methods of detection of growth of virus in cell culture
 - c) Louis Pasteur
 - d) Tape worm.

KAVERI-II : , Oct-Nov-2007
SUBJECT : GENERAL PATHOLOGY, MICROBIOLOGY AND PARASITOLOGY

Day : Tuesday
Date : 06-11-2007

Time : 9.00 a.m. To 12.00 noon
Max. Marks : 60.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Answers to the two sections should be written in **SEPARATE** answer books.
 - 4) Draw neat diagram **WHEREVER** necessary.
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SECTION-I

Q.1 Define Neoplasia. Describe differences between benign and malignant tumours. (11)

Q.2 Write short notes on any **TWO** of the following: (10)

- a) Repair by secondary intention.
- b) Etiopathogenesis of thrombosis.
- c) Primary tuberculosis.

Q.3 Write short notes on any **THREE** of the following: (09)

- a) Chemotaxis.
- b) Haemophilia.
- c) Fine needle aspiration cytology.
- d) Brown atrophy of heart.

SECTION-II

Q.4 Enumerate spore-bearing anaerobes. Describe the morphology, cultural characters, biochemical reactions, toxins, enzymes produced and pathogenicity of *Clostridium welchii*. Discuss the laboratory diagnosis of gas gangrene. (11)

Q.5 Write short notes on any **TWO** of the following: (10)

- a) Differences between endotoxins and exotoxins.
- b) Immunoglobulins.
- c) General properties and cultivation of viruses.

Q.6 Write short notes on any **THREE** of the following: (09)

- a) Sterilization by filtration.
- b) Laboratory diagnosis of fungal infections.
- c) *Giardia lamblia*.
- d) Lepromin test.

KAVERI-II : APRIL/ MAY 2007
SUBJECT : HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY AND EMBRYOLOGY

Day : Saturday
Date : 12/05/2007

Time : 9.30 AM TO 12.30 PM
Max. Marks : 60.

N.B.:

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

- Q.1** Define Dental lamina and describe the various histological stages in the development of tooth in brief. (10)
- Q.2** Define occlusion. Enumerate dental and non-dental factors affecting occlusion and describe any three non-dental factors in detail. (10)
- Q.3** Write notes on any **TWO** of the following: (10)
- a) Tooth numbering systems
 - b) Histology of shedding
 - c) Types of cemento-enamel junctions.

SECTION-II

- Q.4** Describe the stages in life cycle of an Ameloblast. Write a note on clinical considerations. (10)
- Q.5** Define and classify oral mucous membrane. Describe specialised mucosa in detail. (10)
- Q.6** Write notes on any **TWO** of the following: (10)
- a) Ground section
 - b) Physiology of deglutition
 - c) Types of dentin.

KAVERI-II : Oct. Nov. 2007
SUBJECT : HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY AND
EMBRYOLOGY

Day : Wednesday
Date : 07-11-2007

Time : 9-00 a.m. To 12-00 noon.
Max. Marks : 60.

N.B.:

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

SECTION-I

- Q.1** Enumerate and describe the theories of Eruption of teeth. Add a note on clinical considerations. (10)
- Q.2** Enumerate the different zones of pulp. Describe in detail the cells of pulp and add a note on the age changes of pulp. (10)
- Q.3** Write notes on any **TWO** of the following: (10)
- a) Histology of salivary gland
 - b) Ligaments of TMJ
 - c) Development of palate.

SECTION-II

- Q.4** Describe the occlusal surface of permanent maxillary 1st molar. Describe the differences between permanent maxillary 1st molar and permanent mandibular 1st molar. (10)
- Q.5** Discuss the formation of root in single and multi-rooted teeth. (10)
- Q.6** Write notes on any **TWO** of the following: (10)
- a) Non-keratinocytes
 - b) Functions of Maxillary sinus
 - c) Principle fibers of periodontal ligament.