

KAVERI-II (2008 COURSE) : Oct-Nov-2013
SUBJECT : DENTAL MATERIALS

X

Day : Monday
Date : 11-11-2013

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) Answers to both the sections should be written in **SEPARATE** answer books.
- 4) Draw diagrams **WHEREVER** necessary.

SECTION-I

Q.1 Write in detail the composition, properties, uses and manipulation of gypsum bonded investment materials. (10)

OR

Classify casting defects. Describe in detail various casting defects and the methods to avoid them in detail. (10)

Q.2 Short essay questions (Any **Three**) (15)

- a) Write a note on inlay casting waxes.
- b) Write a note on zinc phosphate cement.
- c) Write a note on Dentrifices.
- d) Classify and give composition of Dental ceramics.

Q.3 Short answer questions (Any **Five**) (10)

- a) Classify Denture Base Materials.
- b) Explain terms 'Viscosity' and 'flow.'
- c) Define Hue, Value and Chroma.
- d) What is pickling? State its purpose.
- e) Enumerate different anterior restorative materials.
- f) What is elastic modulus? State its significance in dentistry.

SECTION-II

Q.4 Write in detail about the classification, composition, properties, manipulation and uses of composite resins. (10)

OR

Classify luting cements and discuss Glass Ionomer cement in detail. (10)

Q.5 Short essay questions (Any **Three**) (15)

- a) Define finishing and polishing. Add a note on dental abrasives.
- b) What is soldering and welding? Write about the procedure of soldering.
- c) Compare and contrast acrylic teeth and porcelain teeth.
- d) Write a note on high copper silver amalgam alloy.

Q.6 Short answer questions (Any **Five**) (10)

- a) Define adhesion and cohesion.
- b) What is a compomer? State its uses.
- c) Define Hardness and enumerate tests for Hardness.
- d) Define creep. Mention its significance.
- e) Define Tarnish and corrosion.
- f) Enumerate accelerators and retarders used in dentistry.

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KAVERI - II (2008 COURSE): Oct, Nov, 2013
SUBJECT : GENERAL & DENTAL PHARMACOLOGY & THERAPEUTICS

Day : Thursday
Date : 07-11-2013

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) Answers to both the sections should be written in the **SEPARATE** answer books.

SECTION - I

- Q.1 Long Essay Questions (ANY ONE):** [10]
- a) Classify drugs used in Hypertension with examples. Write mechanism of action, uses and adverse effects of ACE inhibitors.
 - b) Classify antiemetic drugs with examples. Describe mechanism of action, uses and adverse effects of Metoclopramide.
- Q.2 Short Essay Questions (ANY THREE):** [15]
- a) Define Obtundents. Classify obtundents and describe any one agent in detail.
 - b) Mention properties of ideal dentrifice. Enumerate the ingredients of dentrifices and role of each.
 - c) Enlist and describe root canal filling material.
 - d) Define demulcents. Describe in detail various drugs used as demulcents.
- Q.3 Short Answer Questions (ANY FIVE):** [10]
- a) Use of Glycopyrolate in preanaesthetic medication.
 - b) Uses of Nitrates.
 - c) Uses of centrally acting skeletal muscle relaxants.
 - d) Indications of parenteral Iron.
 - e) Rationale for use of Bromhexine in wet cough.
 - f) Role of Dopamine in Hypovolemic shock.

SECTION - II

- Q.4 Long Essay Questions (ANY ONE):** [10]
- a) Mention drugs used in Leprosy. Describe drug therapy Multibacillary Leprosy and Lepra reactions.
 - b) Classify analgesics. Describe mechanism of action, adverse effects and uses of Aspirin.
- Q.5 Short Essay Questions (ANY THREE):** [15]
- a) Drug therapy of category I Tuberculosis.
 - b) Teratogenicity
 - c) Insulin preparations and uses.
 - d) Protein binding with its clinical significance.
- Q.6 Short Answer Questions (ANY FIVE):** [10]
- a) Rationale for use of Adrenaline with Lignocaine.
 - b) Use of Propranolol in Angina Pectoris.
 - c) Use of Levodopa - Carbidopa in Parkinsonism.
 - d) Adverse effects of Phenytoin
 - e) Uses of Aminoglycosides
 - f) Rational for use of Fexofenadine in Allergic Rhinitis.

KAVERI - II (2008 COURSE) : Oct-Nov-2013
SUBJECT : GENERAL PATHOLOGY & MICROBIOLOGY

Day : Saturday
Date : 09-11-2013

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

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

SECTION - I

Q.1 Define neoplasia. Describe the morphological characteristics of malignant tumours and mention the diagnosis of cancer. (10)

OR

Define Granuloma. Describe the evolution of tubercle. Describe primary complex. What are the gross and microscopic features of primary tuberculosis? What is the fate of primary tuberculosis?

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

- a) Classification and stages of shock.
- b) Define Infarct. Describe gross and microscopic appearance of different types with examples.
- c) Describe in short late complications of Diabetes Mellitus.
- d) Laboratory diagnosis of Iron deficiency anemia.

Q.3 Write short answers any **FIVE**: (10)

- a) Mention different staining methods to demonstrate amyloid.
- b) Define : i) Acute inflammation ii) Chemotaxis iii) Septicaemia iv) Phagocytosis
- c) Mention different types of cells in human body and comment on their regeneration.
- d) Enumerate the risk factors in atherosclerosis.
- e) Enumerate examples of dystrophic calcification.
- f) Enumerate the investigations in leukemia.

SECTION - II

Q.4 Enumerate methods of anaerobiosis. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of *Clostridium tetani*. Describe the laboratory diagnosis of tetanus. How would you immunize a person against tetanus? (10)

OR

Enumerate pyogenic cocci. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of *Staphylococcus aureus*. Describe the laboratory diagnosis of Staphylococcal infections.

Q.5 - Write short notes on any **THREE**: (15)

- a) Describe biomedical waste in relation to its generation, segregation, pretreatment and disposal.
- b) Mention the various antigen-antibody reactions. Describe the principle and applications of agglutination reaction with suitable examples.
- c) Describe factors affecting dental caries. Enumerate cariogenic microorganisms.
- d) Enumerate DNA and RNA viruses. Write about the laboratory diagnosis of viral infections.

Q.6 - Write short notes on any **FIVE**: (10)

- a) Enumerate standard tests for diagnosis of syphilis.
- b) Elek's gel precipitation test.
- c) Modes of transmission of disease with examples.
- e) Define -Definitive and intermediate hosts with examples.