

KAVERI-I (2008 COURSE) : Oct-Nov-2013
SUBJECT : DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

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 Describe the Hard tissue genesis of the oral cavity. (10)

OR

Describe the principal fibres of the periodontal ligament in detail.

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

- a) Functions of saliva.
- b) Briefly describe the stages in preparing a soft tissue section.
- c) Describe the stages of Deglutition.
- d) Significance and functions of deciduous teeth.

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

- a) Special stains used in histotechniques.
- b) What is cribriform plate?
- c) Enumerate types of dentine.
- d) Describe the formation of Tomes Granular layer.
- e) Define embrassures and spillways.
- f) Define cancellous and compact bone.

SECTION-II

Q.4 Define and Classify Oral Mucous Membrane. Write in detail the macroscopic and microscopic features of the dorsal surface of the tongue. (10)

OR

Describe the various aspects of Permanent maxillary canine.

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

- a) Describe incremental and neonatal lines.
- b) State the fate of dental lamina.
- c) Describe Bonwill's triangle.
- d) Describe the occlusal surface of permanent maxillary first molar.

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

- a) Define Periodontium.
- b) Define Odland bodies.
- c) Define Tomes fibres, Tomes process and Tomes Granular Layer.
- d) Functions of Stellate Reticulum.
- e) Enumerate the minor salivary glands.
- f) Define class and set traits of teeth.

KAVERI-I (2008 COURSE) : Oct-Nov-2013
SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day : Thursday
Date : 7-11-2013

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** Describe the Temporo-Mandibular joint and its movements with muscles producing them. (10)

OR

Describe the Blood supply, nerve supply and applied anatomy of Face. (10)

- Q.2** Write short essay questions (Any Three) (15)

- a) Sutures
- b) Relations of Right Kidney.
- c) Cubital fossa
- d) Coronary Arteries

- Q.3** Write short answer questions (Any Five) (10)

- a) Give 2 examples of symphysis
- b) Give nerve supply and action of Digastric muscle.
- c) Give nerve supply and action of Biceps muscle.
- d) What is Epistaxis?
- e) Name nerves passing through superior orbital fissure.
- f) Name branches of Arch of Aorta.

SECTION-II

- Q.4** Describe the blood supply, nerve supply and lymphatic drainage of Tongue. (10)

OR

Name the paranasal air sinuses. Describe the Maxillary air sinus in detail. (10)

- Q.5** Write short essay questions (Any Three) (15)

- a) Development of Palate.
- b) Oogenesis.
- c) Microscopic structure of Thyroid gland.
- d) Microscopic structure of Small Intestine.

- Q.6** Write short answer questions (Any Five) (10)

- a) Name derivatives of 3rd pharyngeal arch.
- b) Sex chromosomes.
- c) Name neuroglia cells and give their functions.
- d) Broca's area.
- e) Draw and label microscopic structure of Pancreas.
- f) Draw and label microscopic structure of Compact Bone.

KAVERI-I (2008 COURSE) : Oct. Nov. 2013
SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day : Saturday
Date : 09-11-2013

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 Draw and label Reflex Arc. Define reflex action. Describe properties of reflex action. (10)

OR

Describe composition, functions and regulation of salivary secretion. (10)

Q.2 Write short essay questions (Any Three) (15)

- a) Cardiac output
- b) Respiratory centres
- c) Functions of cerebellum
- d) Glucocorticoids.

Q.3 Write short answer questions (Any Five) (10)

- a) ATP
- b) GFR
- c) Muscle Spindle
- d) Functions of progesterone
- e) Hemophilia
- f) Anemia.

SECTION-II

Q.4 Define enzymes. Give diagnostic, therapeutic and analytical applications of enzymes. [1+5+3+1] (10)

OR

Describe the glycolytic pathway with its energetics. [7+3] (10)

Q.5 Write short essay questions (Any Three) (15)

- a) Plasma proteins
- b) Jaundice
- c) Hormonal regulation of serum calcium level
- d) Mutation.

Q.6 Write short answer questions (Any Five) (10)

- a) Define ketosis. Enumerate ketone bodies.
- b) Functions of Vitamin D.
- c) Draw and label tRNA.
- d) How much is normal blood pH? Enumerate blood buffers.
- e) Define clearance. Enumerate clearance tests.
- f) How much is normal blood glucose level? Enumerate hyperglycemic hormones.