

KAVERI - I (2008 COURSE): Oct. Nov - 2010
SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Day: Wednesday
Date: 08-12-2010

Time: 10.00 A.M. To 1.00 P.M.
Max. Marks: 70

N.B.:

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

SECTION-I

Q.1 Classify salivary glands. Describe the functions and formation of saliva. (10)
OR

Define Dentin. Describe dentinogenesis and give an account on the theories of dentin sensitivity.

Q.2 Short essays (Any **THREE**) of the following: (15)

- a) Development of Tongue
- b) Structures seen in the ground section of Enamel.
- c) Principle fibers of Periodontal Ligament.
- d) Functions of the Maxillary sinus.

Q.3 Short answers (Any **FIVE**) of the following: (10)

- a) Resting and Reversal lines.
- b) Clinical significance of enamel lamellae.
- c) Structures seen in advanced bell stage.
- d) Tome's Granular layer
- e) Incremental lines
- f) Define Keratinisation, Parakeratinisation, Keratosis and Parakeratosis.

SECTION-II

Q.4 Describe in detail the Permanent Maxillary Lateral Incisor. (10)
OR

Q.4 Describe in detail the Mandibular Second Premolar. (10)

Q.5 Short essays (Any **THREE**) of the following: (15)

- a) Non- dental factors affecting occlusion.
- b) Special stains used in oral tissues.
- c) Preparation of a ground section of a tooth.
- d) Define Embrasures, Spillways, Ridges and Inclined Planes.

Q.6 Short answer to Any **FIVE** of the following: (10)

- a) Classify Oral Mucous Membrane
- b) Enumerate the Tooth Numbering Systems.
- c) Arch traits of Permanent Incisors.
- d) Enumerate the various Pulp Stones.
- e) Enumerate the various microscopes used in dentistry.
- f) Enumerate the clear cells in oral epithelium.

KAVERI-I (OLD COURSE) : Oct-Nov-2010
SUBJECT : GENERAL HUMAN ANATOMY AND HISTOLOGY

Day : **Tuesday**
Date : **16-11-2010**

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) Both the sections should be written in **SEPARATE** answer books.
 - 4) Draw neat diagrams **WHEREVER** necessary.
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SECTION-I

- Q.1** Describe the Temporo-Mandibular joint and its movements. (10)
- Q.2** Describe the relations, blood supply and applied anatomy of Thyroid gland. (10)
- Q.3** Write short notes on any **TWO** of the following: (10)
- a) Fontanelle
 - b) Hilum of lung
 - c) Axillary artery.

SECTION-II

- Q.4** Describe the origin, course, branches, distribution and applied anatomy of Facial Nerve. (10)
- Q.5** Write short notes on any **TWO** of the following: (10)
- a) 1st arch derivatives
 - b) Oogenesis
 - c) Sternomastoid muscle.
- Q.6** Describe microscopic structure of any **TWO** of the following: (10)
- a) Hairy skin
 - b) Compact Bone
 - c) Spleen.

KAVERI-I (2008 COURSE) : OCT/NOV-2010
SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day : Saturday
Date : 04-12-2010

Time : 10:00 A.M. TO 1:00 P.M.
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.
- 4) Draw neat diagrams **WHEREVER** necessary.

SECTION-I

Q.1 Describe structures in anterior median region of neck. Add a note on its applied anatomy. (10)

OR

Q.1 Describe relations, blood supply and Applied anatomy of Thyroid gland.

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

- a) Synovial joints.
- b) Falx cerebri.
- c) Superior Mediastinum.
- d) Relations of Spleen.

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

- a) Name branches of posterior cord Brachial plexus.
- b) Nerve supply action of Lateral Rectus muscle of eye.
- c) Functions of Periosteum
- d) Structures supplied by Phrenic nerve.
- e) Openings in Middle meatus of Nose.
- f) Nerve supply action of Cricothyroid muscle.

SECTION-II

Q.4 Describe the position, relations, communications and applied anatomy of Cavernous Sinus. (10)

OR

Q.4 Describe the origin, course, branches, distribution and applied anatomy of Facial Nerve.

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

- a) 1st pharyngeal arch derivatives.
- b) Fertilization.
- c) Microscopic structure of Kidney.
- d) Microscopic structure of Hairy skin.

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

- a) Give functions of Cerebro spinal fluid.
- b) Name parts of sperm and give function of each part.
- c) Give features of Down's syndrome.
- d) Portal triad.
- e) Name cells in gastric gland and give their secretions.
- f) Draw and label cross section of spinal cord.

KAVERI- I (2008 COURSE): Oct. Nov-2010
SUBJECT: GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

Day: **Monday**
Date: **6-12-2010**

Time: **10.00 A.M. To 1.00 P.M.**
Max. Marks: 70

N.B.:

- 1) Answer to both the sections should be written in **SEPARATE** answer books.
- 2) Draw diagrams **WHEREVER** necessary.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

Q.1 Describe composition, functions and regulation of salivary secretion. **(2+3+5)**

OR

Define blood pressure. What are the different types of blood pressure? **(1+4+5)**
Describe baroreceptor mechanism of regulation of blood pressure.

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

- a) Act of respiration
- b) Role of B-lymphocytes
- c) Micturition reflex
- d) Functions of hypothalamus

Q.3 Write notes on (Any **FIVE**) **(10)**

- a) Actions of growth hormone
- b) Regulation of testicular functions
- c) Hypoxic hypoxia
- d) Sino-atrial node
- e) Active transport
- f) Functions of spinal cord

SECTION-II

Q.4 Describe the factors affecting enzyme activity. **(10)**

OR

Describe the outline of heme synthesis and its degradation clinical application.

Q.5 Write short answer for (Any **THREE**) **(15)**

- a) Jaundice
- b) Function of m RNA and t RNA
- c) Essential Amino Acid
- d) Kidney function test

Q.6 Write short answer for (Any **FIVE**) **(10)**

- a) Rancidity
- b) Coenzymes
- c) Xerophthalmia
- d) Fatty liver
- e) Deoxy sugar
- f) Atherosclerosis