

B.D.S. 2008 Course

KAVERI-I (2008 COURSE) : WINTER - 2016
SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day : Monday
Date : 07-11-2016

Time : 9.00 A.M. To 12.00 Noon
Max. Marks : 70.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Both the 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 Long Essay Questions (Any ONE) (10)**
- a) Describe the boundaries, contents and applied anatomy of Posterior triangle of neck.
 - b) Describe the origin, course, relations, branches and distribution of External Carotid artery.
- Q.2 Short Essay questions (Any THREE) (15)**
- a) Synovial joints
 - b) Superior Sagittal sinus
 - c) Superior Mediastinum
 - d) Relations and functions of Spleen.
- Q.3 Write short answers (Any FIVE) (10)**
- a) Name four examples of Flat bones.
 - b) Name neuroglial cells and give their functions.
 - c) Name branches of Abdominal Aorta.
 - d) Give function of Auditory tube.
 - e) Name structures supplied by Phrenic nerve.
 - f) Name nerves supplying the Teeth.

SECTION-II

- Q.4 Long Essay Questions (Any ONE) (10)**
- a) Enumerate paranasal air sinuses. Describe the gross and applied anatomy of Maxillary Air Sinus.
 - b) Describe the position, relations, nerve supply and applied anatomy of Parotid salivary gland.
- Q.5 Short Essay questions (Any THREE) (15)**
- a) Development of Tongue.
 - b) Karyotyping.
 - c) Microscopic structure of Kidney.
 - d) Microscopic structure of Suprarenal gland.
- Q.6 Write short answers (Any FIVE) (10)**
- a) Give achievements of Fertilization.
 - b) Give derivatives of Rathke's pouch.
 - c) Choroid plexus.
 - d) Functions of Cerebellum.
 - e) Draw and label microscopic structure of Testis.
 - f) Draw and label microscopic structure of Skeletal muscle.

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KAVERI-I (2008 COURSE) : WINTER - 2016
SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day : Wednesday
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SECTION-I

Q.1 Describe the process of Urine Formation. (10)

OR

Describe the mechanism of Breathing.

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

- a) Process of Blood coagulation.
- b) Physiological actions of thyroid hormones.
- c) Functions of the Hypothalamus.
- d) Ovarian changes in menstrual cycle.

Q.3 Answer the following (Any **FIVE**) (10)

- a) Sarcomere
- b) Hypovolemic shock
- c) Active transport
- d) Fever
- e) Taste Buds
- f) Defaecation reflex.

SECTION-II

Q.4 Define enzymes. Describe the diagnostic, therapeutic and analytical applications of enzymes. (1 + 5 + 2 + 2) (10)

OR

Describe the Tricarboxylic Acid (TCA) cycle with its energetics. Add a note on its amphibolic role. (6 + 4)

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

- a) Jaundice
- b) Glycosaminoglycans (GAGs)
- c) Glucose Tolerance Test (GTT)
- d) Vitamin C.

Q.6 Write short answers (Any **FIVE**) (10)

- a) Enumerate the types and functions of lipoproteins.
- b) What is normal blood pH? Enumerate blood buffers.
- c) Enumerate any four B-complex vitamins and their active forms.
- d) Enumerate the functions of Vitamin D.
- e) Enlist the hormones maintaining water and electrolyte balance.
- f) Define ketosis. Enumerate ketone bodies.

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KAVERI-I (2008 COURSE) : WINTER - 2016
SUBJECT : DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Day : Friday
Date : 11-11-2016

Time : 9.00 A.M. To 12.00 Noon
Max. Marks : 70.

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SECTION-I

Q.1 Define Enamel and discuss in detail lifecycle of an ameloblast. (10)
OR

Describe the principle fibres of Periodontal ligament in detail.

Q.2 Write short note on (Any **THREE**) (15)
a) Histology of palate
b) Functions of pulp
c) Development of tongue
d) Theories of dentine sensitivity.

Q.3 Answer the following (Any **FIVE**) (10)
a) Enumerate stages in development of tooth.
b) Differences between serous and mucous acini.
c) Define alveolar bone
d) Enumerate types of cementum
e) Enumerate theories of tooth eruption
f) Give examples of decalcifying agents.

SECTION-II

Q.4 Describe in detail morphology of permanent maxillary 1st molar. (10)
OR

Describe in detail differences between deciduous and permanent teeth.

Q.5 Write short note on (Any **THREE**) (15)
a) Tooth numbering systems
b) Compensating curves
c) Functions of teeth
d) Non-dental factors of occlusion.

Q.6 Write short answers (Any **FIVE**) (10)
a) Define line angle and point angle with example
b) Enumerate functions of maxillary sinus
c) Define cusp and ridge
d) Give examples of fixatives
e) Bonwill's triangle
f) Enumerate occlusal patterns of mandibular second premolar.

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