

KAVERI - I (2008 COURSE): WINTER - 2014  
SUBJECT: DENTAL ANATOMY EMBRYOLOGY & ORAL HISTOLOGY

Day: Saturday  
Date: 08-11-2014

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

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Draw neat labeled diagram **WHEREVER** necessary.

**SECTION - I**

- Q.1 Long Essay (10)**  
Discuss in detail Life cycle of Ameloblast.  
**OR**  
Define Dentine and discuss in detail histology of Dentine.
- Q.2 Write short essay on ( Any THREE ) (15)**  
a) Ground section  
b) Development of Palate  
c) Non dental factors of occlusion  
d) Speech
- Q.3 Write short answers on ( Any FIVE ) (10)**  
a) Enumerate Tooth numbering systems  
b) Differences between Keratinized & non Keratinized epithelium  
c) Define microscope & enumerate types  
d) Flush terminal plane  
e) Enumerate stages in tooth development  
f) Give examples of Special stains

**SECTION - II**

- Q.4 Long Essay (10)**  
Describe in detail Morphology of mandibular 2<sup>nd</sup> premolar  
**OR**  
Describe in detail Morphology of permanent Maxillary 1<sup>st</sup> molar.
- Q.5 Write short essay on ( Any THREE ) (15)**  
a) Functions of Hertwig's epithelial root sheath.  
b) Formative and resorptive cells of odontogenic apparatus  
c) Theories of dentine sensitivity  
d) Histology of periodontal ligament
- Q.6 Write short answers on ( Any FIVE ) (10)**  
a) Mamellons  
b) Define Oral mucous membrane  
c) Enumerate functions of pulp  
d) Define occlusion  
e) Define ridges with example  
f) Odland bodies
- \* \* \*

WINTER - 2014  
KAVERI - I (2008 COURSE):  
SUBJECT: GENERAL HUMAN ANATOMY INCLUDING  
EMBRYOLOGY & HISTOLOGY

Day: Saturday  
Date: 01-11-2014

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

**SECTION - I**

Q.1 Describe the blood supply, nerve supply and applied anatomy of Scalp. (10)

**OR**

Q.1 Describe the Deep Cervical Fascia. Add a note on its applied anatomy. (10)

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

- a) Classification of bones.
- b) Infrahyoid Muscles.
- c) Right Atrium of Heart.
- d) Relations and blood supply of Spleen.

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

- a) Name 2 types Ossifications with example of each.
- b) What are end-arteries? Give two examples.
- c) Give nerve supply action of cricothyroid muscle.
- d) Name structures attached to styloid process of skull.
- e) Name structures in hilum of Right lung.
- f) Name parts and functions of Pancreas.

**SECTION - II**

Q.4 Describe the muscles, blood supply, nerve supply and applied anatomy of Soft Palate. (10)

**OR**

Describe the boundaries and contents of Carotid Triangle. (10)

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

- a) Development of Pituitary gland.
- b) Fertilization
- c) Microscopic structure of Liver.
- d) Microscopic structure of Thymus.

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

- a) Give clinical features of Turner's syndrome patient.
- b) Give functions of Cerebro Spinal Fluid.
- c) Name parts of Corpus Callosum.
- d) Give functions of Sertoli Cell.
- e) Draw and label microscopic structure of Cardiac muscle.
- f) Draw and label microscopic structure of Hyaline Cartilage.

KAVERI - I (2008 COURSE) : WINTER - 2014  
SUBJECT: GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

Day: Wednesday  
Date: 05-11-2014

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figure to the right indicates **FULL** marks.
- 3) Answer to both the section should be written in **SEPARATE** answer book.

**SECTION-I**

**Q.1** Enumerate the functions of the kidney. Describe the mechanism of dilution and concentration of urine. [10]

**OR**

Describe the physiologic basis of various contraceptive methods used by men and women.

**Q.2** Write short notes on (ANY THREE) [15]  
a) Physiology of circulatory shock  
b) Body temperature regulation  
c) C.S.F.  
d) Functions of rods and cones

**Q.3** Write short answer to (ANY FIVE) [10]  
a) Surfactant  
b) Classification of nerve fibers  
c) Cushing syndrome  
d) Gastrin  
e) Hemophilia  
f) Sodium potassium pump

**SECTION-II**

**Q.4** Describe the dietary sources, RDA, normal range in plasma and its regulation, functions and deficiency manifestations of calcium. [2+1+1+2+2+2] [10]

**OR**

Describe the chemistry, types, functions and catabolism of hemoglobin. [2+2+3+3]

**Q.5** Write short notes on (ANY THREE) [15]  
a) Mutation  
b) Structure and function of DNA  
c) Citric acid cycle  
d) Isoenzymes

**Q.6** Write short answer to (ANY FIVE) [10]  
a) Enumerate any four B- complex vitamins and their active forms.  
b) Enumerate any four enzymes with their diagnostic importance.  
c) Types and function of lipoproteins.  
d) Mention one function each of Fluoride, Copper, Zinc, and Magnesium.