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

Day : **Friday**  
Date : **06-05-2016**

Time : **9:00AM TO 12:00NOON**  
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** Define alveolar bone and describe in detail histology of bone. (10)  
**OR**

Define Dentine and discuss in detail histology of Dentine.

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

- a) Ground section of tooth
- b) Development of Palate
- c) Types of cementum
- d) Histology of tongue.

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

- a) Enumerate functions of PDL
- b) Differences between Keratinized and non-keratinized epithelium
- c) Define Microscope and enumerate types
- d) Define Anatomical and clinical crown
- e) Enumerate stages in tooth development
- f) Give examples of special stains.

**SECTION-II**

**Q.4** Describe in detail morphology of permanent maxillary canine. (10)  
**OR**

Describe in detail morphology of mandibular second premolar.

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

- a) Non-dental factors of occlusion
- b) Functions of teeth
- c) Difference between deciduous and permanent teeth
- d) Flush terminal plane.

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

- a) Enumerate tooth numbering systems
- b) Enumerate compensating curves
- c) Define ridge and fossa
- d) Importance of chronology of teeth
- e) Define line angle and point angle with example
- f) Odland bodies.

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

Day : **Monday**  
Date : **02-05-2016**

Time : **9:00AM TO 12:00NOON**  
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 Temporo-mandibular joint and its movements.  
b) Describe the Deep Cervical Fascia and add a note on its applied anatomy.
- Q.2** Short Essay questions (Any **THREE**) **(15)**  
a) Sutures.  
b) Classification of muscles.  
c) Relations and blood supply of Right Kidney.  
d) Relations and blood supply of Right Lung.
- Q.3** Write short answers (Any **FIVE**) **(10)**  
a) Name types of ganglia with example of each.  
b) Give function of anastomoses in body.  
c) Name cartilages of Larynx.  
d) Name muscles supplied by Occluomotor nerve.  
e) Name parts and functions of Fallopian tube.  
f) Name branches of Arch of Aorta.

**SECTION-II**

- Q.4** Long Essay Questions (Any **ONE**) **(10)**  
a) Describe the origin, course, branches, distribution and applied anatomy of Facial Nerve.  
b) Describe the Constrictors of Pharynx.
- Q.5** Short Essay questions (Any **THREE**) **(15)**  
a) Development of Palate.  
b) Implantation.  
c) Microscopic structure of Pancreas.  
d) Microscopic structure of Trachea.
- Q.6** Write short answers (Any **FIVE**) **(10)**  
a) Barr body.  
b) Draw and label parts of sperm.  
c) Visual cortex.  
d) Name cranial nerves emerging from Medulla oblongata.  
e) Name secretions from suprarenal cortex.  
f) Draw label microscopic structure of Tongue.

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

Day : **Wednesday**  
Date : **04-05-2016**

Time : **9:00AM-TO 12:00NOON.**  
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** Describe the molecular basis of skeletal muscle Contraction. (10)  
**OR**

Describe the composition, functions and regulation of salivary secretion.

**Q.2** Write short note on (Any **THREE**) (15)  
a) J.G. apparatus.  
b) Coronary circulation.  
c) Structure and functions of a cell.  
d) Succus entericus.

**Q.3** Answer the following (Any **FIVE**) (10)  
a) E.S.R.  
b) Clinical Thermometer  
c) E.E.G.  
d) Copper-T  
e) Respiratory centres  
f) A.D.H.

**SECTION-II**

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

Define glycolysis. Describe the steps of glycolysis with its energetics. (1 + 6 + 3)

**Q.5** Write short note on (Any **THREE**) (15)  
a) Jaundice.  
b) Functions of Vitamin A.  
c) Types and functions of RNAs.  
d) Blood buffers.

**Q.6** Answer the following (Any **FIVE**) (10)  
a) Enumerate kidney function tests with suitable examples.  
b) Enumerate four functions of Phospholipids.  
c) Enlist any four characteristics of Genetic Code.  
d) Define and enumerate essential aminoacids.  
e) Enumerate four functions of Calcium.  
f) Define and enumerate heteropolysaccharides.