

KAVERI-I : OCT/NOV-2005
SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day : Wednesday
Date : 09.11.2005

Time : 10.00 A.M. TO 1.00 P.M.
Max. Marks : 60.

N.B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat diagrams **WHEREVER** necessary.
- 4) Answer to the Two Sections should be written in **SEPARATE** answer books.

SECTION-I

Q. 1 Describe the composition, functions and regulation of the pancreatic juice secretion. (10)

Q. 2 Describe the regulation of Heart Rate Add a note on Bradycardia. (10)

OR

Q. 2 Draw and label different types of WBCs. Describe their functions. Add a note of leucopenia.

Q. 3 Write short notes on any (Any **TWO**) (10)

- a) Baroreceptors.
- b) Glomerular Filtration.
- c) Cell membrane.

SECTION-II

Q. 4 Describe the functions of Hypothalamus. (10)

Q. 5 Discuss the calcium metabolism. (10)

OR

Q. 5 Describe the process of Beta-oxidation of fatty acids. Add a note on Ketosis.

Q. 6 Write short notes on (Any **TWO**) (10)

- a) Balanced Diet.
- b) Functions of middle ear.
- c) Testosterone.

KAVERI-I: Oct/Nov-2005
SUBJECT: GENERAL ANATOMY & HISTOLOGY

Day: Monday
Date: 07.11.2005

Time: 10:00 a.m. to 1:00 p.m.
Maximum 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 book.
 - 4) Draw neat diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Describe the extracranial course of Facial nerve. Give its branches, distribution and applied importance. (10)
- Q.2** Describe the Maxillary Air Sinus. Give its relations and applied importance. (10)
- Q.3** Write in brief on **ANY TWO** of the following. (10)
- a) Classification of Muscles
 - b) Fontanelle
 - c) Relations of spleen

SECTION-II

- Q.4** Describe the relations, blood supply and applied importance of Thyroid gland. (10)
- Q.5** Write in brief on **ANY TWO** of the following. (10)
- a) First Pharyngeal arch
 - b) Human Karyotype
 - c) Otic ganglion
- Q.6** Describe the microscopic structure of **ANY TWO** of the following. (10)
- a) Stratified squamous epithelium
 - b) Trachea
 - c) Liver

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