A-3036
Second Year B. Sc. (Sem. III) Examination
March/April – 2015
MT - 06 : Human Anatomy & Physiology
(New Course)

Time : Hours] [Total Marks : 50

Instructions :

(1) Figures to the right indicate full marks.
(3) Draw a neat and labelled diagram where required.

1 Answer the following :
   (1) Give the location and function of the parietal cell.
   (2) What is ADH ? Give its significance.
   (3) State the function of collagen fibres and elastic fibres.
   (4) Define the role of control centre in Homeostasis and explain Homeostatic imbalance.

2 Answer any two of the following :
   (1) Explain the cells, types and functions of connective tissue.
   (2) What is Homeostasis ? Explain negative feedback control mechanism giving example.
   (3) Explain the process of digestion and absorption of carbohydrates in GI tract.
3 Attempt any one of the following:

(1) Draw a neat and labelled diagram of kidney and explain its role in Urine formation.

(2) Action and myosin are important proteins required for muscle contraction and relaxation.

4 Write short notes on any two of the following:

(1) Plasma membrane - structure and function

(2) Structure of long bone

(3) Muscles of Upper and Lower Limbs.