

B.P.T. [1st Prof.]

BF/2007/07

Physiology

M.M. : 90

Time : 3 Hours

Section - A

All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.

[20]

1. Endoplasmic reticulum.
2. Stretch reflex.
3. Motor Unit.
4. Oxyhemoglobin.
5. Vital Capacity.
6. Mechanism of accommodation in eye.
7. Micturation reflex.
8. P-R interval.
9. Phagocytosis.
10. Perilymph.

Section - B

Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.

[40]

1. Functions of Thyroid hormone.
2. Structure and functions of Granulocytes.
3. Taste.
4. Nutritional anemias.
5. Gastric secretion.
6. Sensory receptors.
7. Diffusion of Oxygen in lungs.
8. Cardiovascular changes during exercise.
9. Cerebral circulation.
10. Transport across the cell membrane..
11. Extrinsic mechanisms of Coagulation of blood.
12. Decerebrate rigidity.

Section - C

Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.

[30]

1. Describe structure of Skeletal muscle and molecular mechanism of its contraction.
2. Discuss Digestion and absorption of fats in alimentary canal.
3. Explain mechanisms for regulation of body temperature.
4. Define GFR [Glomerular Filtration Rate] - its regulation and measurement.