

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

BF/2006/11

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. Mitochondria.
2. Endocytosis.
3. Counter transport.
4. Motor Units.
5. P-R Interval.
6. Trans Pulmonary Pressure.
7. Carboxy Peptidase.
8. Loop of Henle.
9. Mechanisms of Accomodation.
10. Stretch reflex.

Section - B

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

[40]

1. Action Potential.
2. Nutritional anemias.
3. Insulin.
4. Cardiac Cycle.
5. Pancreatic secretion.
6. Muscles of Respiration.
7. Renal clearance.
8. Synaptic Plasticity.
9. Photochemistry of Vision.
10. Decerebrate rigidity.
11. Neuromuscular blockers.
12. Cardiovascular changes during exercise.

Section - C

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

[30]

1. Define Cardiac Output and also discuss its regulation.
 2. Discuss connections and functions of Cerebellum.
 3. Discuss Molecular mechanisms of Muscle contraction.
 4. Define GFR and discuss the factors affecting GFR.
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