

# B.P.T. [1<sup>st</sup> Prof.]

BF/2010/05

## Physiology

(Old Scheme - Prior to admission 2009)

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. Monocyte
3. Motor Unit
4. Reflex arc
5. Resting membrane potential
6. Generator potential
7. Inspiratory reserve volume
8. Taste buds
9. Pulse
10. Antibodies

### SECTION - B

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. Diffusion
2. Digestion of fats
3. Functions of testosterone
4. Neuroglia
5. Synaptic Transmission
6. Salivary Secretions
7. Functions of Cerebellum
8. Platelets
9. Plasma Proteins
10. Neural regulation of respiration
11. Juxtaglomerular apparatus
12. Oxygen - hemoglobin dissociation curve

### SECTION - C

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Describe cardiac output and its regulation.
2. Describe structure of Red blood Corpuscle [RBC] and mechanism of erythropoiesis.
3. Discuss mechanism of muscle contraction.
4. Describe the actions of growth hormone and discuss the abnormalities produced by excess secretion of this hormone.

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