

OCTOBER 2012

P/ID 17909/PMSJ

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

Each answer should not exceed 50 words.

1. Mitochondria.
2. Functions of skin.
3. Thalamus.
4. Values of Heart.
5. Anatomical division of nervous system.
6. Fibrous cartilage.
7. Functions of vertebral column.
8. Define Homeostasis.
9. Functions of Saliva.
10. Contraception.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

Each answer should not exceed 250 words.

11. (a) Classify the various types of WBC and Enumerate their functions.

Or

- (b) Explain the various types of epithelial tissues.

12. (a) Describe the structure and functions of stomach.

Or

- (b) Explain the axial skeletal system.

13. (a) Describe the gross anatomy of kidney.

Or

- (b) Explain the mechanism of urine formation.

14. (a) Describe the structure of neuron.

Or

- (b) Describe the structure of synapse.

15. (a) Explain the functions of thyroid hormone.

Or

- (b) Explain the physiology of lactation and importance of breast feeding.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

Each answer should not exceed 500 words.

16. (a) Describe the structure of cell membrane.

Or

(b) Explain the various transport mechanism across cell membrane.

17. (a) Describe the structure and functions of liver.

Or

(b) Describe the structure of respiratory system.

18. (a) Define blood pressure. Give normal value and its regulation.

Or

(b) Explain in detail about the various blood vessels in the vascular system.

19. (a) Explain in detail the various parts of the brain with their functions.

Or

(b) Explain the anatomy of male reproductive system.

20. (a) Classify and explain the various types of joints with examples.

Or

- (b) List the endocrine glands. Explain how blood glucose is regulated.
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