

NOVEMBER/DECEMBER 2018

**BSBT33 — MEDICAL LAB TECHNOLOGY**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Name any two histologic tissues of the body.
2. Give the functions of lymph node.
3. Define inspiration in lungs.
4. What are PMNL cells?
5. What are peptide hormones? Give example.
6. Define nephron.
7. Define reflex arc
8. What are afferent neurons?
9. Define sarcomeres
10. Mention the functions of olfactory lobe.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Briefly explain the structure of a sarcomere in skeletal muscle?

Or

- (b) What are the structural and functional units of nervous system?

12. (a) Outline the structure and functions of immunoglobulins.

Or

- (b) Give a brief note on coagulation factors in blood clotting.

13. (a) Briefly explain anterior pituitary hormones with example.

Or

- (b) How carbohydrate foods are digested and absorbed?

14. (a) Discuss the functions of motor nervous system.

Or

- (b) Describe about the process of Wallerian Degeneration.

15. (a) Explain the structure of eye with a neat diagram.

Or

- (b) Outline the important functions of skin.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the various types of epithelial cells, their location and functions.

17. Outline the classification of blood cells and their functions.

18. Explain in detail the mechanism of formation of urine.

19. Describe about the structure and functions of spinal cord.

20. Describe the types of muscles and their functions.

