

NOVEMBER/DECEMBER 2019

**BSBT33 — MEDICAL LAB
TECHNOLOGY – I**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define cellular respiration.
2. What is peristalsis?
3. Define heart rate.
4. Write the significance of Rh antigen.
5. Give the functions of Insulin.
6. What is glomerular filtration barrier.
7. Write the functions of sensory neurons.
8. What is synaptic cleft?
9. What are thin and thick filaments?
10. Mention the functions of retina.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Briefly explain the structural features of Digestive system.

Or

- (b) Describe the structure of female reproductive system with a neat diagram.

12. (a) Write an account on the functions of immunoglobulins.

Or

- (b) Outline the functions of respiratory system

13. (a) List any five endocrine glands and their secretion.

Or

- (b) Explain the structural of nephron.

14. (a) Discuss the characteristic features of parasympathetic nervous system.

Or

- (b) Give an account on the types of synapse.

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

Or

- (b) Discuss the types of muscles with example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe about the structure and functions of lymphatic system.

17. Discuss in detail the phases of cardiac cycle? Add a note on cardiac output.

18. Describe about the necessary organs involved in digestion.

19. Explain the detailed structure of Brain and give its functions.

20. Elaborate on the structure and functions of eye.

