

APRIL/MAY 2019

**BAMB32 — HUMAN ANATOMY AND
PHYSIOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are rods and cones.
2. Comment on organ of corti.
3. What is Mastication process?
4. Critically comment on duct of Santorini.
5. Write short account on Neuron.
6. Write a short account on skeletal muscle.
7. What is Plasma?
8. Comment on Neutrophils and their importance.
9. Define Spermatogenesis.
10. What are the functions of Sertoli cells?



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the mechanism of hearing.

Or

- (b) Describe briefly the structure and functions of nose.

12. (a) Describe briefly the structure of gall bladder.

Or

- (b) Write short notes on salivary glands of human beings.

13. (a) Explain briefly the functions of central nervous systems.

Or

- (b) Write an account on muscle skeleton system in human beings.

14. (a) Write short notes on thyroid gland and its hormones.

Or

- (b) Describe briefly the functions of blood cells.

15. (a) Write short account on testicular hormones.

Or

- (b) Explain briefly the hormones involved in pregnancy and parturition.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a detailed account on the functions of different organs of Respiratory system.

17. Give an elaborate account on the anatomy of pancreas and add a note on composition and functions of pancreatic juice.

18. Give a detailed account on the parts and functions of skin.

19. Discuss in detail the different parts of the circulatory system and its function in human.

20. Describe the mechanism of urine formation and the composition of urine.

