

Branch - ZOOLOGY

PHYSIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A(20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Microvilli.
- 2 Transamination.
- 3 Pericardium.
- 4 Tracheal system. *
- 5 Lymph vessels.
- 6 Uric acid.
- 7 Fascicles.
- 8 Photosensitive cells.
- 9 Reflex action.
- 10 Endocrine disruptors

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Write a note on salivary glands.
' - OR
b Write a brief note on the hormones involved in digestion.
- 12 a Give an account on haemoglobin.
OR
b Write a short note on respiratory quotient.
- 13 a Enlist the function of lymphatic system.
OR
b Differentiate ureotelism from uricotelism.
- 14 a Explain the types of muscles with examples.
OR
b Draw and label the parts of human eye.
- 15 a Comment on master gland.
OR
b Give an account on the structure and types of neuron.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Describe beta-oxidation with suitable illustrations.
- 17 Write a detailed account on blood and its composition.
- 18 Elaborate the mechanisms of urine formation in man and acid base balance with suitable illustrations.
19. Describe the structure of human ear and mechanism of hearing.
- 20 Explain the conduction of nerve impulse with suitable examples.