

2316

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Class – B.Sc. I (Medical)

Subject -- Zoology-B

Paper – BT - I

Time Allowed : 3 Hours

Maximum Marks : 40

All questions of Section A are compulsory. Attempt any FIVE questions from Section B & TWO questions from Section C.

SECTION - A

- Q 1. (i) Differentiate between Pro, meso & meta nephrose Kidney. 1
- (ii) Osmoregulation in Mammals. 1
- (iii) Draw the structure of T_3 & T_4 hormone. 1
- (iv) What is the function of Oxytocin & Vasopressin? 1
- (v) What is Neuroglia? 1
- (vi) Draw the well labelled diagram of Neuron. 1
- (vii) Differentiate between Skeletal, Smooth & Cardiac Muscles. 1
- (viii) Differentiate between Red & White Muscle Fibres 1

SECTION - B

- Q 2. Explain the evolution of gonads & urinogenital ducts in mammals. 4
- Q 3. Explain the succession of kidney. 4
- Q 4. Explain the structure & physiology of Thyroid Gland. 4

- Q 5. (i) Give one difference between Hormones & Enzymes. 1
- (ii) Give one difference between Hormones & vitamins. 1
- (iii) What are glands of emergency? 2
- Q 6. Describe the comparative anatomy & evolution of brain of mammals. 4
- Q 7. Explain the Eye as a sense organ of Mammals. 4
- Q 8. Explain the various types of Jaw Suspensoria. 4
- Q 9. Explain the comparative account of visceral Arches. 4

SECTION - C

- Q 10. Explain the mechanism of Urine Formation. 6
- Q 11. Explain the structure & physiology of Pituitary. 6
- Q 12. Discuss the propagation of nerve impulses at a synapse. 6
- Q 13. Explain the ultra structure & physiology of the muscle contraction. 6
