

ZOOLOGY -1

Time : Three Hours

Maximum : 75 Marks

SECTION-A 120 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10x2 = 20)

Answer in ONE or TWO sentences :

- 1 Pseudocoelom.
- 2 Tetrapoda.
- 3 Polyps Vs medusa.
- 4 Nematocyst batteries.
- 5 Branchiostegite.
- 6 Pedicellaria of star fish.
- 7 Placoid scales.
- 8 Nuptial pad of frog.
- 9 Flight muscles.
- 10 Sebaceous glands.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Explain the salient features of phylum protozoa with examples.
OR
b List out the general characteristic features of chordates.
- 12 a *Obelia* is a branched colony - Discuss.
OR
b *Taenia solium* is a hermaphrodite endoparasite - Justify.
- 13 a Highlight the cephalic appendages of *Panaeus*.
OR
b Comment the structure of oral view in star fish,
- 14 a Describe the digestive system of shark with a neat diagram.
OR
b Give a brief account on circulatory system in frog.
- 15 a Write down the double respiration in Pigeon.
OR
b Describe the urinogenital system of Rabbit.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 List out the general characters and classify class Pisces.
- 17 Discuss in detail the life history of *Obelia* colony.
- 18 Write an account on the structure and functions of water vascular system in star fish.
- 19 Describe the different types of respiration in Frog.
- 20 Give an account on the digestive system of Rabbit that suit for herbivorous life