

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch – **ZOOLOGY**

ANIMAL DIVERSITY – I

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

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

- 1 Holotrichous.
- 2 Archacocytes.
- 3 Nematoblasts.
- 4 Hermaphrodite.
- 5 Metameres.
- 6 Worm Castings.
- 7 Thelycum.
- 8 Ommatidium.
- 9 Osphradium.
- 10 Tiedmann's Bodies.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Describe the different types of nutrition in Protozoa.
OR
b Brief note for the life cycle of Leucosolenia.
- 12 a Describe the general characters of Phylum Coelenterata.
OR
b Brief note on Enterobius Vermicularis.
- 13 a Describe the general characters of Phylum Annelida.
OR
b Write short notes for the lifecycle of Mega Scolex marutii.
- 14 a Explain the five pairs of Cephalic Appendages of Marine Prawn Penaeus.
OR
b Explain the Affinities of Peripatus.
- 15 a Describe the external structure of Pila globosa.
OR
b Write the essential parts of water vascular system in star fish.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Explain the classification of Phylum Porifera upto order level.
- 17 Describe the structure and their life cycle of Obelia.
- 18 Brief account on Vermiculture.
- 19 Give an account on Prawn Culture.
- 20 Brief note for Pearl Culture.