

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

Branch - **ZOOLOGY**

ANIMAL DIVERSITY -1

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 x 1 = 10)

Multiple choice questions:

- 1 Which of the following one organism is used pseudopodia as locomotory organs?
(i) Amoeba (ii) Paramecium
(iii) Opalina (iv) Euglena
- 2 What is the function of trichocyst in paramecium?
(i) Nutrition (ii) Defence
(iii) Excretion (iv) Locomotion
- 3 Which of the following is connected with coral formation?
(i) Millipora (ii) Obelia
(iii) Hydra (iv) Halistemma
- 4 What is the common name of Ascaris lubricoides?
(i) Tapeworm (ii) Roundworm
(iii) Sea fur (iv) Sea pen
- 5 Which animal is known as “friend of farmer”?
(i) Snake (ii) Earthworm
(iii) Ascaris (iv) Physalia
- 6 What is meant by vermiculture?
(i) Culture of earthworms (ii) Rearing of honey bees
(iii) Culture of catla (iv) Rearing of silkworms
- 7 Identify the connecting link between Annelida and Arthropoda.
(i) Penecus (ii) Peripatus
(iii) Brachionus ' (iv) Megas colex
- 8 How many appendages are found in cephalic region of prawn?
(i) 5 pairs (ii) 13 pairs
(iii) 8 pairs . (iv) 6 pairs
- 9 What is the zoological name of apple snail?
(i) Asterius rubens (ii) Pila globosa
(iii) Paramecium caudatum (iv) Pinctada vulgaris
- 10 Find the animal which is exclusively marine.
(i) Apple snail (ii) Star fish
(iii) Earth worm (iv) Prawn

SECTION - B (35 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 7 = 35)

Describe the structure of obelia colony.

OR

What are the coral reefs? Add a note on the importance of corals & coral reefs.

Classify the phylum Annelida upto class level with examples.

OR

Explain the morphology of earthworm.

Bring out the culture techniques of prawn.

OR

Write an account on life history of marine prawn.

With a neat sketch, explain the structure of Pila globoga.

OR

State the affinities of Balanoglossus.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

Give an account on structure of Paramecium with a neat sketch.

Describe the life history of Ascaris lumbricoides.

Write an essay on vermiculture.

“Peripatius is a connecting link between Annelids and Arthropods” - Justify.

What is pearl? How is the pearl formed? Write the techniques of pearl culture.

Z-Z-Z

END