

**Avinashilingam Institute for HomeScience and Higher Education for Women
(Deemed to be University), Coimbatore -641043
Bachelor's Degree Examination – November 2018**

I Semester

Class : I UG

Time : 3Hours

Major : Zoology

Marks 100

18BZOC02 - Invertebrata II

PART - A

10X2 = 20

Choose the correct answer

1. Polychaetes are
a. marine b. carnivorous c. fresh water d. marine and carnivorous
2. Swollen ring like structure formed by the four segments 14th to 17th is
a. clitellum b. spermatheca c. genital pore d. setae
3. Feeding habit of leech is
a. sangivorous b. herbivorous c. carnivorous d. graminivorous
4. The coelom developed from the gut is
a. acoelom b. pseudocoelom c. schizocoelom d. enterocoelom
5. Peripatus shows the character of both
a. annelida and arthropoda b. annelida and mollusca
c. arthropoda and mollusca d. echinodermata and annelida
6. Green gland is seen in
a. amoeba b. planaria c. penaeus d. hydra
7. In Pila the prostomium is formed of a chitinous substance called
a. calcium b. calcium carbonate c. conkiolin d. chitin
8. In Arthropods digestive system is well developed and contains
a. radula b. pancreas c. hepatopancreas d. radula and a hepatopancreas
9. The function of pedicellaria in starfish is
a. offense and defence b. to capture small prey
c. clean the surface of the body d. all the above
10. The pharynx of starfish is surrounded by the chewing apparatus called
a. Platus lantern b. Aristotles lantern
c. Socrates lantern d. Tiedmanns bodies

Part B

5 X 6=30

**Answer the following
Answer should not exceed 400 words or two pages**

- 11.a. Enumerate the general characters of Annelida.
or
b. Describe the excretory system of earthworm.
12. a. Review the steps involved in formation of cocoons in leech.
or
b. Write about the types of metamerism.
13. a. Bring out the general characters of Arthropoda.
or
b. "Limulus is living fossil" – Justify.
14. a. Sketch the process and events of torsion.
or
b. Discuss the structure of the Pallial complex.
15. a. List out the general characters of Echinodermata.
or
b. Distinguish between aboral and oral structure of starfish

Part C

5 x 12=60

**Answer the following
Answer should not exceed 800 words or four pages**

16. a. Classify the major classes of phylum annelid with an example
or
b. Relate the structure and function of the digestive system of earthworm.
17. a. Describe the excretory system of annelids.
or
b. With a neat labelled sketch explain the digestive system of leech.
18. a. "The larval forms are important in Crustaceae" – Justify.
or
b. Categorise the thoracic and abdominal appendage of prawn.
19. a. Give a report on the economic importance of molluscs.
or
b. Explain the circulatory system and course of circulation in Pila.
20. a. Describe the water vascular system in star fish.
or
b. Discuss the larval forms of Echinodermata.
