



DATE: 25-10-19

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27
B.Sc. – I SEMESTER
SUPPLEMENTARY EXAMINATION: OCTOBER 2019
ZO:115 NON CHORDATA

Time- 2 ½ hrs

Max Marks-70

This paper contains two printed pages and three parts

(Please attach the question paper along with the answer script)

I. Answer the following questions. Each question carries 1 mark 15X1=15

1. A true coelomic cavity is derived from _____.
a) Ectoderm b) Endoderm c) Mesoderm d) None of these
2. Myxotropic nutrition found in _____.
a) Entamoeba b) Noctiluca c) Monocystis d) Euglena
3. Food storage cells found in the body of sponges are called as _____.
a) Collencytes b) Chromocytes c) Thesocytes d) Germ cells
4. Spongin fibres are found in _____.
a) Euplectella b) Hyalonema c) Sycon d) Euspongia
5. Ladder-type of nervous system is found in _____.
a) Polychaeta b) Turbellaria c) Crustacea d) Anthozoa
6. Flame cells are found in _____.
a) Annelida b) Arthropoda c) Mollusca d) Platyhelminthes
7. Ctenidia are the respiratory structures of _____.
a) Prawn b) Unio c) Arenicola d) All of these
8. Three pairs of legs are the characteristic feature of _____.
a) Insecta b) Crustacea c) Myriapoda d) Onychophora

9. Which one of the following is not a living fossil?
a) Neopilina b) Peripatus c) Limulus d) Rock barnacle
10. _____ belongs to the class Polyplacophora.
a) Unio b) Pearl oyster c) Trochus d) Chiton
11. Hatchet-shaped foot is the characteristic of _____.
a) Pila b) Unio c) Pearl oyster d) Dentalium
12. Water enters into the water vascular system through _____.
a) Stone canal b) Polian vesicle c) Tiedemann's body d) Madreporite
13. Movement of arms is similar to the movement of tail of a snake in _____.
a) Asteroidea b) Echinoidea c) Ophiuroidea d) Crinoidea
14. Haemocoel is found in _____.
a) Nereis b) Prawn c) Planaria d) Ascaris
15. Pseudometamerism is found in _____.
a) Chiton b) Neopilina c) Balanus d) Tapeworm

II. Answer any five questions. Each one carries 5 marks 5X5=25

16. Differentiate between diploblastic and triploblastic condition with suitable examples.
17. Comment on amphiblastula larva with a neat labeled diagram.
18. Write short notes on syconoid type of canal system.
19. Classify phylum Platyhelminthes with suitable examples.
20. Differentiate between chelate and non-chelate leg with suitable labeled diagrams.
21. Write short notes on minor phyla.
22. Explain the significance of bipinnaria larva.

III. Answer any three questions. Each question carries 10 marks 3X10=30

23. Explain the various types of asexual reproduction in Protozoa.
24. Define polymorphism. Explain with reference to Physalia.
25. Mention the mode of infection, disease caused and control measures of:
a) Ancylostoma b) Enterobius c) Wuchereria.
26. Explain the process of respiration in a freshwater mussel.
27. 'Peripatus is a connecting link'. Substantiate the statement.