



Registration number:

Date:

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27
B.Sc., ZOOLOGY – I SEMESTER
SEMESTER EXAMINATION: OCTOBER 2019
ZO 118 – ANIMAL DIVERSITY OF NON CHORDATES

Time- 2 ½ hrs

Max Marks-70

This paper contains 2 printed pages and four parts
Draw labelled diagrams wherever necessary.

Part A

7X1=7

I. Answer the following questions. Each question carries 1 mark

1. _____ of the shell is called the “mother of pearl layer”.
2. The bipinnaria larva gets transformed into the next larval stage called _____.
3. The silk is obtained from _____ stage of silk moth.
4. Oxyuriasis is caused by the infection of _____.
5. Child's axial gradient theory explains _____ in Planarians.
6. Each ex-conjugant produces _____ number of daughter cells.
7. _____ is the phenomenon of having linear series of repeating parts/body segment.

Part B

2X4=8

II. Briefly answer the following questions. Each question carries 2 marks

8. Define Plasmotomy. Give an example.
9. Name the four kinds medusoid zooids in Siphonophora.
10. List four unique features of *Peripatus*.
11. Write short notes on foot modification in *Pila* /Apple snail.

Part C

5X5=25

III. Answer any five questions. Each question carries 5 marks

12. What are different types of coelom explain.
13. Explain the modes of nutrition in protozoa
14. Define coral reefs. Add a note on types of Coral reefs
15. Comment on parasitic adaptations in tapeworm
16. Mention the mode of infection, pathogenic effect and control measures of *Wuchereria Bancrofti* and *Ascaris lumbricoides* in humans
17. Draw the structure of water vascular system of starfish.
18. Explain the affinities of Rotifera with other phyla

Part D

10X3=30

IV. Answer any three questions. Each question carries 10 marks

19. Give an account of asexual reproduction in Sponges.
20. Explain the alimentary canal of earthworm with a neat labeled diagram.
21. Enumerate the Cephalic appendages of *Penaeus* with the help of suitable diagrams.
22. Mention the unique features of phylum Mollusca. Classify up to classes with suitable examples.