



Register Number:

DATE: 25-10-2019

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 two printed pages and four parts

PART A

I. Answer the following questions. Each question carries ONE mark (7x1=7)

1. Triploblastic condition starts from the phylum _____.
2. First Coelomates belong to the phylum _____.
3. _____ type of nutrition is found in Noctiluca.
4. _____ is an Arthropod without legs.
5. _____ is the first larva of Crustaceans.
6. _____ is a class where you don't find radula.
7. _____ are non chordates with enterocoel.

PART B

II. Briefly answer the following questions. Each question carries TWO marks (4x2=8)

8. What is a gemmule?
9. Mention any two examples of Sponges where you find six rayed spicules.
10. Differentiate between Polyp and Medusa .
11. Define "connecting link" with an example.

PART C

III. Answer any five questions. Each question carries FIVE marks (5x5=25)

12. Comment on the types of symmetry in animals with suitable example.
13. Briefly explain Syconoid type of canal System.
14. Differentiate between Turbellaria and Trematoda
15. Mention the mode of infection and preventive measures of any two parasitic nematodes found in the alimentary canal of *Homo sapiens*.
16. Give an account of polymorphism in Halistemma.
17. Describe the significance of Bipinnaria larva with a suitable diagram.
18. Comment on the systematic position of Rotifera.

PART D

IV. Answer any three questions. Each question carries Ten marks (3x10=30)

19. Give an account of the asexual reproduction in Protozoa.
20. Describe the foot modification in Mollusca.
21. How do you make a Vermitechnology unit?
22. Give an account of the cephalic appendages of *Penaeus*.