QP CODE: 19101770

Reg No : .....

Name : .....

B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019

Second Semester

Core Course - **ZY2CRT02 - ANIMAL DIVERSITY - NON CHORDATA**

(Common for B.Sc Zoology Model I ,B.Sc Zoology Model II Aquaculture,B.Sc Zoology Model II Food Microbiology ,B.Sc Zoology Model II Medical Microbiology)

2017 ADMISSION ONWARDS

5630AA23

Maximum Marks: 60 **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. What is the function of somatoderm in Mesozoans?
2. Name two larval stages seen in Phylum Porifera.
3. Write the scientific name of Pin worm.
4. What is the function of ciliated pits?
5. What is petasma?
6. What is the function of setose hairs in prawn respiration?
7. What is nauplius?
8. Comment on coxal gland.
9. Name the respiratory organ of scorpion.
10. Mention the larva of sacculina.
11. What is radula?
12. What is stomochord?

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain the mode of respiration, nutrition and excretion in sponges.

14. Explain metagenesis in Obelia.

15. Explain the threats of corals and its different conservation methods.

16. Describe the characteristic features of Taenia saginata.

17. Explain the structure of eyes and add note on the vision in prawn.

18. Describe the male reproductive system in Penaeus.

19. Describe the characteristic features of Bombyx.

20. Describe the salient features of Aplacophora.

21. Describe the functions of water vascular system in Echinoderms.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Describe the life cycle of Fasciola hepatica.

23. Describe the digestive system and feeding mechanism in Penaeus.

24. Describe the Annelidan and Arthropodan affinities of Peripatus.

25. Classify Echinodermata giving salient features of each class with suitable example.

(2×10=20)