QP CODE: 24019425

24019425

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MAY 2024

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

5D2F9FA4

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Comment on mesozoa.
2. Comment on sea gooseberries.
3. Comment on polyembryony.
4. What is Egg case?
5. Comment on third maxillipede in Penaeus.
6. Comment on arthrobranch.
7. Comment on mysis larva.
8. Comment on walking legs.
9. What is fixigenae?
10. Name a crustacean showing parasitic castration.
11. Mention the importance of radula.
12. What are coelomocytes?

(10×1=10)

Part B

*Answer any **six** questions.*

Each question carries 5 marks.

13. Write short notes on gemmules and types of cells in porifera.
14. Explain the mode of repiration, nutrition and excretion in sponges.
15. Give an account on the various types of polyps.
16. Classify Phylum Platyhelminthes with examples.
17. Write a note on the circulatory system of Penaeus.
18. Illustrate the two types of vision in Penaeus.
19. Explain class Chilopoda.
20. Explain class Amphineura with an example.
21. What are the non-chordate characters of Balanoglossus?

(6×5=30)

Part C

Answer any two questions.

*Each question carries **10** marks.*

22. Write an essay on nematode parasites of man.
23. Descibe the structure and mechanisms of digestion with the help of a suitable diagram.
24. Compare and contrast the characteristic features of Uniramia and Onychophora with suitable examples.
25. Write an essay on the water vascular system in Echinoderms.

(2×10=20)