

B.Sc. DEGREE (CBCS) EXAMINATION, JANUARY/FEBRUARY 2018**First Semester****Complementary Course—Zoology—NON-CHORDATA DIVERSITY**

Common to B.Sc. Botany Model I, Model II—Food Microbiology, Model II—Horticulture and Nursery Management, Model II—Plant Biotechnology and B.Sc. Botany and Biotechnology Model III Double Main)

(2017 Admissions)

Time : Three Hours

Maximum Marks : 60

Part A

*Answer any ten questions.
Each question carries 1 mark.*

1. Explain Metagenesis.
2. What is 'Measly Pork' ?
3. What is Petasma ?
4. What is Pepper disease ? What is the causative agent ?
5. Name the larva of Balanoglossus.
6. What is Heteronevesis ?
7. Which animal is called 'Elephant tusk Shell' ?
8. Define Polyembryony.
9. What is Hirudin ?
10. Name the larva of Jelly fish.
11. Write the scientific name of pork tape worm.
12. What is eviscevarism ?

(10 × 1 = 10)

Part B

*Answer any six questions.
Each question carries 5 marks.*

13. What is cnidoblast ? Describe its structure and function with diagram.
14. Explain the life cycle of Entamoeba.

Turn over

15. Describe the excretory system of prawn.
16. Write the salient features of Hemichordata.
17. Give a descriptive account of Limulus.
18. What are the salient features of phylum Arthropoda ?
19. Write a short note on physalia.
20. Explain parasitic adaptations of liver fluke.
21. Give the salient features of subphylum ciliophora with an example.

(6 × 5 = 30)

Part C

*Answer any two questions.
Each question carries 10 marks.*

22. Explain conjugation and other reproductive process in paramecium.
23. Write an essay on the life history of *Plasmodium*.
24. What are the salient features of phylum coelenterata. Classify up to classes giving salient features and one example each.
25. Write an essay on larval stages of *Penaeus* with suitable diagram.

(2 × 10 = 20)