

Reg. No. :

Name :

First Semester B.Sc. Degree Examination, November 2019

First Degree Programme under CBCSS

Complementary Course for Botany, Home Science and Bio-Chemistry

ZO 1131.1 : ANIMAL DIVERSITY - I

(2014 Admission)

Time : 3 Hours

Max. Marks : 80

Draw diagrams wherever necessary.

- I. Answer all questions in one or two sentences. Each question carries 1 mark.
1. Distinguish between diploblastic and triploblastic condition.
 2. What are cnidoblasts?
 3. Name a sedentary Echinoderm.
 4. What are the excretory organs of Arthropods?
 5. Who proposed the three kingdom classification?
 6. What is the difference in symmetry between larvae and adults of Echinoderms?
 7. What is pearl oyster?
 8. Give the names of the diseases caused by Fasciola and Trichinella.
 9. What are uropods? Mention their function.
 10. Name a bioluminescent dinoflagellate.

(10 × 1 = 10 Marks)

P.T.O.

II. Answer **any eight** of the following. Each question carries **2** marks.

Answer not to exceed one paragraph.

11. What is meant by syncytial epidermis?
12. Differentiate Annelids from Coelenterates based on:
 - (i) body cavity.
 - (ii) body wall
13. What is vermicomposting?
14. State two economic importances of molluscs.
15. What is the function of gizzard in cockroach? How it is specialised for that?
16. What is a gemmule?
17. Mention the parasitic adaptations of *Fasciola hepatica*.
18. Describe the morphology of the first larval stages of prawn.
19. What is pseudometamerism? Give one example.
20. Explain obligatory mutualism with an example from Phylum Parabasalia.
21. With the aid of diagram describe the scolex of tapeworm.
22. Describe the structure of antennary gland of *Penaeus*.

(8 × 2 = 16 Marks)

III. Answer **any six** of the following. Each question carries **4** marks.
Answer not to exceed 120 words.

23. Write an account on two pests of coconut palm.
24. With the help of a labelled diagram describe the life history of Plasmodium in man.
25. Describe the two kinds of zooids of Obelia colony.
26. Explain the external features of Peripatus.
27. Describe the structure of parapodium of Neries. Mention its function.
28. What is meant by integrated pest management?
29. Write an account on the major systems of classifications.
30. Describe the basic levels of organizations found in animal kingdom.
31. Explain the salient features of Phylum Porifera.

(6 × 4 = 24 Marks)

IV. Answer **any two** of the following. Each question carries **15** marks.

32. With the help of diagrams explain the thoracic and abdominal appendages of Penaeus.
33. Enlist the general characters of Phylum Echinodermata with a note on its classification.
34. Write an essay on common nematode parasites.
35. With the aid of labelled sketches describe the mouth parts of cockroach.

(2 × 15 = 30 Marks)