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(Pages : 4)

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Reg. No. : .....

Name : .....



Third Semester B.Sc. Degree Examination, March 2022  
Career Related First Degree Programme Under CBCSS

Group 2(a) – Botany and Biotechnology

Vocational Course

BB 1371 – PROTISTA AND ANIMAL DIVERSITY

(2019 & 2020 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer all the questions in a word or one or two sentences. Each question carries 1 mark.

1. What is Plasmalemma?
2. Give the scientific name of a ciliate protistan.
3. What is a Sporozoites?
4. Name the organism responsible for red tide.
5. What is Cytostome?
6. Name the canal system in Sycon.
7. Give the scientific name of a nematode parasite in man.
8. What is Gemmules?

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9. Why limulus is called a living fossil?
10. Name any two poisonous snakes.

(10 × 1 = 10 Marks)

### SECTION – B

Answer **any eight** questions. **Each** question carries **2** marks. (Answer not to exceed one paragraph)

11. Why Noctiluca is called Sea Sparkle?
12. Name the phases and stages of plasmodium life cycle in man and mosquito.
13. What is Pseudometamerism? Give an example.
14. What is retrogressive metamorphosis? Give an example.
15. Distinguish between Mesozoa and Metazoa.
16. Some dinoflagellates are primary producers of the sea. Justify.
17. Explain alternation in generation with an example.
18. What is a connecting link? Explain with an example.
19. Comment on the defensive adaptation of Sepia.
20. Mention the chordate affinities of Amphioxus.
21. Comment on evisceration.
22. Give a short note on different types of feathers in Pigeon.
23. Define Polymorphism. Explain giving example.
24. Why sponges are considered the most primitive of the multicellular animals?
25. Mention the economic importance of Dentalium.
26. Write short note on Neopilina.

(8 × 2 = 16 Marks)

## SECTION – C

Answer **any six** questions. **Each** question carries **4** marks: (Answer not to exceed **120** words)

27. Explain the economic importance of Protista.
28. Comment on general characters of Class Hydrozoa with example.
29. Explain the Salient features of Dinoflagellates.
30. Explain the cycle of Ross.
31. Comment on Acoelomata, Pseudocoelomata and Eucoelomata with diagram and examples.
32. Explain the salient features of Phylum porifera.
33. Comment on general character of Class Cestoda with example.
34. Give note on classification of Phylum Mollusca with examples.
35. List the salient features of Mesozoa.
36. Explain the salient features of Rhizopoda with an example.
37. Mention the salient features of Platyhelminthes with an example.
38. Explain the salient features of Coelenterata with an example.

(6 × 4 = 24 Marks)

## SECTION – D

Answer **any two** questions. **Each** question carries **15** marks. (Answer not to exceed three pages)

39. Give the general features and classification of Kingdom Protista.
40. Describe the adaptations of Aquatic mammals.
41. Write an essay on the classification of Subphylum Mandibulata with suitable examples.

42. Describe the salient features of Phylum Chordata and its classifications.
43. Write the salient features of Phylum Annelida with examples. Discuss the classification upto classes.
44. Explain the Nervous system of Cockroach with a labelled diagram.

**(2 × 15 = 30 Marks)**

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