

(Pages : 4)



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Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, January 2023

Career Related First Degree Programme under CBCSS

Botany and Biotechnology

Vocational Course IV

BB 1371 : PROTISTA & ANIMAL DIVERSITY

2019 Admission Onwards

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. What are Chitons?
2. Write any two characteristics of Parazoa.
3. Give note on Bungarus.
4. Identify the features of Dentalium.
5. Give the scientific name of moon jelly fish.
6. List the salient features of Scoliodon.
7. Comment on Scolopendra.
8. Write down the main features of Class Arachnida.

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9. What is meant by Schizocoela?
10. List any two adaptations of Echidna.

(10 × 1 = 10 Marks)

SECTION – B

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

11. Discuss the evolutionary significance of Trilobitomorpha.
12. Give a description on Agnatha.
13. Comment on Neomenia.
14. Mention the characteristic features of Urochordata.
15. What is meant by Pseudocoelomata?
16. Identify the features of Class Ophiuroidea.
17. Write the importance of Ambystoma.
18. Give note on Class Symphyla.
19. List the adaptive features of Hirudinaria.
20. What is Eumetazoa?
21. Give an overview on Class Adenophorea.
22. Brief a note on Class Reptilia.
23. Identify the features of Phylum Onychophora.
24. How do oysters make pearl?
25. Identify the characteristics of Class Cephalopoda.
26. Comment on Class Holothuroidea.

(8 × 2 = 16 Marks)

SECTION – C

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

27. What are the unique characteristics of Tetrapods?
28. Discuss the characteristic features of Class Pauropoda.
29. What is meant by alternation of generation? Give examples.
30. Write a short essay on adaptations of aquatic mammals,
31. Identify the salient features of subphylum Mandibulata.
32. Illustrate and comment on digestive system of Cockroach.
33. Write the morphological features of Gastropoda.
34. Brief a note on any two flightless birds.
35. Discuss the 'levels of organization in animals.
36. Write the features of Phylum Porifera.
37. Discuss briefly types of feathers in birds.
38. Explain body segmentation in animals.

(6 × 4 = 24 Marks)

SECTION – D

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

39. Give an account on identification of nonpoisonous and poisonous snakes.
40. Write an essay on Phylum Platyhelminthes and its features.

41. Discuss on flight adaptations in birds.
42. Illustrate and comment on nervous system of Cockroach.
43. Discuss the characteristic features and classification of Phylum Annelida.
44. Write an essay on pests of Paddy and stored food grains.

(2 × 15 = 30 Marks)
