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S – 3619



Reg. No. :

Name :

Third Semester B.Sc. Degree Examination, February 2024

Career Related First Degree Programme under CBCSS

Botany and Biotechnology

Vocational Course IV

BB 1371 : PROTISTA AND ANIMAL DIVERSITY

(2019 Admission Onwards)

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. Name the causative organism of amoebic dysentery.
2. List any two features of Class *Hydrozoa*.
3. Give an example for Class *Chilopoda*.
4. Define acoelomate.
5. What is baleen?
6. List any two economic importance of *Leptocorisa acuta*.
7. What is two kingdom classification?
8. Write the significance of flight muscles.

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9. Identify the class of Scorpion.

10. What is a notochord?

(10 × 1 = 10 Marks)

SECTION – B

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

11. What are the identifying features of Phylum Parabasalia?

12. Give note on Protostomia.

13. What is alternation of generation?

14. Comment on filoplumes.

15. Discuss any four features of flightless birds.

16. Write the classification of brittle star.

17. Explain ambulacral grooves.

18. What is hemocoel?

19. What is meant by hermaphroditic?

20. Define metamorphosis.

21. What is osculum?

22. Mention the function of scolex.

(8 × 2 = 16 Marks)

SECTION – C

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

23. Explain the salient features of Phylum Ciliophora and Apicomplexa.
24. Compare and contrast Parazoa and Eumetazoa.
25. Explain the types of feathers in Aves.
26. Discuss the salient features of subphylum Urochordata.
27. Give the identifying characters of Class Asteroidea.
28. Comment on insect pests with examples.
29. Differentiate between schizocoela and enterocoela.
30. Discuss the mouth parts of cockroach.
31. Explain the evolutionary significance of phylum Onychophora.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries **15** marks. (Answer not to exceed **3** pages)

32. What is body segmentation? Explain the salient features with suitable examples.
33. Discuss the salient features of Phylum Annelida. Give note on its classification.
34. Explain the adaptations of aquatic mammals.
35. Write an essay on life history and pathogenicity of *Plasmodium*.

(2 × 15 = 30 Marks)