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(Pages : 3) No. .....

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Reg. No. : .....

Name : .....

First Semester B.Sc. Degree Examination, August 2021

First Degree Programme under CBCSS

Zoology

Core Course I

ZO 1141 – ANIMAL DIVERSITY- I

(2019 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions in **one** or **two** sentences. (**Each** question carries **1** mark).

1. Mesogloea
2. Coelom.
3. Binomial nomenclature
4. Cnidoblasts
5. Dueterostomia
6. Acoelomata
7. Biradial symmetry
8. Holozoic nutrition
9. Exoskeleton
10. Micronuclei

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** of the following. (**Each** questions carries **2** marks).

11. Comment on Sun animalcule
12. Define Moulting
13. Mention the functions of epipodite
14. What are coaxal glands?
15. What is madreporite?
16. What is the role of brachiostegite in respiration of *Penaeus*?
17. What is Aristotle's lantern?
18. Explain gemmules
19. Comment on diploblastic bodywall
20. What are ostia?
21. Comment on Nematocyst
22. What are Monogenetic parasites?

(8 × 2 = 16 Marks)

III. Answer any **six** of the following. (**Each** question carries **4** marks).

23. Differentiate between Autogamy and Syngamy
24. Explain nutrition in *Paramecium*
25. Explain the affinities shown by *Peripatus*
26. Give the salient features of phylum *porifera.*
27. Comment on stomodaeum of *Penaues*
28. Distinguish between mosaic vision and superimposed vision

29. Define Polymorphism. Explain giving example

30. Give the outline classification of Annelida citing one example each

31. Write down the affinities of *Balanoglossus*

IV. Answer any **two** of the following.(**Each** question carries **15** marks). **(6 × 4 = 24 Marks)**

32. Give the outline classification of Protista

33. Write an account on different types of coral reefs and its damage and conservation

34. Describe the nervous system of *Penaeus* with a neat labeled diagram.

35. Describe the steps involved in Pearl culture.

(2 × 15 = 30 Marks)
