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Reg. No. : .....

Name : .....

Second Semester B.Sc. Degree Examination, December 2021

First Degree Programme under CBCSS

Zoology

Core Course II

ZO 1241 – ANIMAL DIVERSITY – II

(2019 Admission)

Time : 3 Hours Max. Marks : 80

PART – A

Answer **all** questions 1 mark each.

1. What is corpus callosum?
2. Name the Golden age of reptiles.
3. What is pecten?
4. The scientific study of fishes is called ————————.
5. Name a limbless amphibian.
6. What is acrodont dentition?
7. Write the generic names of (a) sea squirt (b) Lancelet
8. Appendicularia is also called Larvacea. Substantiate.
9. Give the scientific name of Mahabali frog.
10. What is wheel organ?

(10 × 1 = 10 Marks)

P.T.O.

PART – B

Answer **any eight,** each question carries **2** marks

11. List the parasitic adaptations of lamprey.

12. Distinguish between Urochordata and Cephalochordata.

13. What are neuromast sense organs?

14. Write on importance of portal systems in frog.

15. What is Neoteny? Give one example.

16. Write the common names and scientific names of any two poisonous snakes of India.

17. Differentiate between homeothermy and poikilothermy with examples for each.

18. List any four features of Prototheria.

19. Why sphenodon is called a living fossil?

20. Comment on the evolutionary significance of Ostracodermi.

21. Comment on scales in fishes.

22. What is Foramen of Panizza?

(8 × 2 = 16 Marks)

PART – C

Answer **any six,** each question carries **4** marks

23. Explain retrogressive metamorphosis with an example.

24. Sketch and label the cross section of heart in frog.

25. List any eight general characters of Super class Pisces.

26. Describe the dentition in mammals.

27. Comment on evolutionary significance of Archaeopteryx.

28. Classify Reptilia up to subclass. Give examples for each subclass. Add a note on the criterion of classification.

29. Describe the economic importance of mammals.

30. Give an account on fossae and arcades in reptiles.

31. Uses of snake venom.

(6 × 4 = 24 Marks)

PART – D

Answer **any two**, each question carries **15** marks.

32. Describe the accessory respiratory organs in fishes.

33. Describe the structure of brain in frog with a neat labeled diagram. Comment on ventricles of brain.

34. Write an essay on flight adaptations of birds.

35. Give an account on salient features and classification of Urochordata. Write a short account of examples for each class.

(2 × 15 = 30 Marks)
