

First Semester B.Sc. Degree Examination, October/November 2019

(CBCS New Scheme 2017 onwards)

Zoology

Paper I — ANIMAL DIVERSITY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Draw neat labelled diagrams wherever necessary.

PART – A

I. Answer any **TEN** of the following :

(10 × 2 = 20)

1. Name the locomotory organelles in Protozoa.
2. Mention the characters of class Calcarea.
3. What are Choanocytes? Mention its function.
4. What is the difference between a polyp and medusa?
5. List the characters of cestoda.
6. Mention the different types of Proglottids in Taenia solium.
7. Write the characters of cephalopoda.
8. What is Retrogressive metamorphosis? Give an example.
9. Sketch and label the diagram of Ascidia.
10. Mention two examples of Agnatha.
11. What are claspers?
12. Write a note on cutaneous respiration in Frog.

PART – B

II. Answer any **SIX** of the following :

(6 × 5 = 30)

13. Describe Ciliary mode of locomotion in protozoa.
14. Explain polymorphism in Halistemma.



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15. Write a note on parasitic adaptations in *Ascaris lumbricoides*.
16. Draw a neat labelled diagram of compound eye in *Palaemon*.
17. Explain pearl culture.
18. Describe the water vascular system in *Asterias*.
19. Describe externals of frog.
20. List the interesting features of primates.

PART – C

III. Answer any **FOUR** of the following :

(4 × 10 = 10)

21. List the general characters of phylum Annelida and classify up to classes with suitable examples.
 22. Explain metamorphosis in Insects.
 23. Write notes on chondrichthyes and osteichthyes.
 24. Enumerate the general characters of class Reptilia and classify up to living orders with suitable examples.
 25. Describe morphological and Anatomical flight adaptations in birds.
 26. Write the salient features of Prototheria and Metatheria.
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