

2022

3rd Semester Examination
ZOOLOGY (Honours)

Paper : C 5-T

(Chordates)

[CBCS]



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer any *five* questions : 2×5=10

- (i) What is cranial kinesis?
- (ii) Differentiate holobranch and hemibranch gill?
- (iii) Differentiate Metatheria and Eutheria.
- (iv) Write the name of endemic fish and mammal of Oriental realm.
- (v) What is Preen gland and rhamphotheca?
- (vi) What is echinoderm theory of origin of chordates?
- (vii) What is endostyle?
- (viii) Write the diagnostic characters of cyclostomata.

(2)

2. Answer any *four* questions :

5×4=20

- (i) "Archaeopteryx-a connecting link" — Justify the comment.
- (ii) Discuss the distribution of vertebrates in Australasian realm.
- (iii) Describe the biting mechanism of poisonous snake.
- (iv) Write a note on adaptive radiation in mammals based on locomotory appendages.
- (v) Write a note on fish migration.
- (vi) Differentiate echolocation between bat and whale.

3. Answer any *one* question :

10×1=10

- (i) Discuss the process of metamorphosis in Amphibia. Explain how is amphibian metamorphosis different from that of Ascidian metamorphosis. 7+3=10
 - (ii) Briefly discuss the parental care of fishes. What is calamus and rachis? 7+1.5+1.5=10
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