

B.Sc. 3rd Semester (Hons.) Examination, 2021 (CBCS)

Subject: Zoology

Paper: CC - 5 (Chordates)

Full Marks: 40

Time: 2 Hrs

Candidates are required to give the answers in their own words as far as practicable.

*Answer any **eight** questions of the following:*

$5 \times 8 = 40$

1. State the retrogressive changes observed in *Ascidia* sp.
2. Give a brief account of the echinoderm theory for origin of the chordates.
3. Elucidate briefly structure of the contour feather.
4. Place the following animals into their respective Class and Order with reasons.
(mention at least two characters for each taxon)
 - a) *Tylototriton* sp.
 - b) *Gecko* sp.
5. Draw a suitable labeled diagram of hair with its associated muscles and glands.
6. State five different ways by which amphibians perform parental care.
7. Describe structural organization of the accessory respiratory organ in *Clarias* sp. with suitable diagram.
8. State distinctive characteristics of the Sub-phylum Urochordata. Mention classes under this sub-phylum with one example for each.
9. Briefly discuss affinities of Prototheria with Reptilia.
10. Mention the main geographical limit and faunal diversity of Oriental realm.

