

2022

M.Sc.

2nd Semester Examination (CCAЕ)

ZOOLOGY

PAPER—ZOO-296

(*Practical*)

**BIOSYSTEMATICS, MOLECULAR BIOLOGY,
PARASITOLOGY & BIOPHYSICS**

Full Marks : 50

Time : 5 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. Isolate DNA from the provided sample following standard protocol. Write the procedure of DNA isolation. 6+4
2. Make a stained preparation of the sample collected from supplied specimens. Write the procedure in brief. Draw, label and comment on your observation. 6+3+2

(Turn Over)

3. Identify the provided specimens (A, B, C) with reason. Mention the systematic position. 3×3
4. Prepare a dichotomous taxonomic key with important characters using following order of fishes :
- Cypriniformes
 - Clupeiformes
 - Persiformes
 - Siluriformes
 - Squaliformes
 - Torpediniformes. 10
5. Laboratory Note Book. 5
6. Viva-voce. 5
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