

U.G. 5th Semester Examination - 2021

ZOOLOGY

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : ZOOL(H)DSE-P-01

[PRACTICAL]

(Fish and Fisheries)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

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

1. Write down (any **one**):

- i) The major morphometric and meristic characters (at least 10) used in scientific description of fishes. Include labelled diagram.

OR

- ii) Identifying characters of any **one** set of two specimens, as given below:

a) *Labeo*, *Heteropneustes*

b) *Chimaera*, *Exocoetus*

c) *Petromyzon*, *Echeneis* 10

[Turn over]

OR

2. Write down:

- i) the characters of any four types of scales as studied by you through permanent slides/ photographs). Include labelled diagrams.

OR

- ii) the principle, method and calculation formula for determination of any **one** of the following from a freshwater sample:

a) pH;

b) free CO₂;

c) alkalinity 10

2. Submission of Laboratory Note book. 5

3. *Viva-voce*. 5
