

2025

M.Sc. 3rd Semester Examination

ZOOLOGY

Paper : ZOO-309B

(Ecology Practical-I)

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

Answer *all* the questions.

1. Identify the following aquatic biota with distinguishing characters and their ecological importance : $4 \times 2\frac{1}{2} = 10$

(a) _____

(b) _____

(c) _____

(d) _____

2. Write down the principle and protocol of estimating salinity/total alkalinity/hardness of given sample water. Perform the experiment and comment on your result.

2+3+3+2

3. (a) Record the coordinates of a location using GPS instrument. What are the different functions available with the device model Garmin etrex? 5+5

P.T.O.

(2)

OR

- (b) Prepare a climograph with the given data and comment on the climate of the region. 6+4

Month	Temperature (°C)	Humidity (%)	Rainfall (mm)
Jan	18	76	2.3
Feb	20	74	1.8
Mar	32	77	3.8
Apr	34	78	0.0
May	36	79	0.0
Jun	32	83	36.0
Jul	34	86	64.0
Aug	33	85	34.0
Sep	32	88	11.6
Oct	30	89	3.0
Nov	28	86	0.0
Dec	24	76	0.0

4. Submission of Field report. 10
5. Laboratory Notebook. 5
6. Viva-voce. 5
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