

M.Sc. 4th Semester Examination, 2024

ZOOLOGY

(Practical)

PAPER—ZOO-494

Full Marks : 50

Time : 5 hours

Answer **all** questions

The figures in the right hand margin indicate marks

1. Determine the initial DO from the given sample water. Write down the principle and comment on your result. 4 + 2 + 2

Or

Write down the protocol for sampling and quantification of stated category of soil/terrestrial biota. Perform the preservation of given sample. 5 + 3

2. Demonstrate the neuroendocrine structure in model species and justify your answer with the help of an evidence based interpretation. 4 + 2 + 1

Or

(a) Draw the ultra structure/posterior dorsal view of Neuroendocrine system in insect with labelling.

(b) Write down the principle/procedure of the given neuro-diagnostic tool _____ 3 + 3 + 1

3. Apply appropriate statistical test to the given data set and interpret your result. 10
4. Extract and display the chick embryo from the fertilized egg provided. Draw a labelled diagram and identify the hour of development with characters. (8 + 2) + 3 + 2

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| 5. Submission of Lab Note book. | 5 |
| 6. Viva voce. | 5 |
