

2023

M.Sc.

4th Semester Examination (CCAЕ)

ZOOLOGY

PAPER : ZOO-494

(Practical)

Full Marks : 50

Time : 5 hours

The figures in the right hand margin indicate marks.

Answer **all** questions.

1. Estimate the B.O.D. of the water sample provided and comment on your result. 4+1=5
2. Draw and label _____ (insect/ Crustacean) neuroendocrine system with primary functions of the main glands. 5+3=8

(2)
(OR)

Compare the neuroendocrine system of insect with that of a vertebrate. 4+4=8

3. Extract and display the chick embryo from the egg sample provided. Identify the hour of development with reasons. Draw a labelled diagram of the extracted embryo. 8+2+2=12
4. Apply the suitable statistical test to interpret the result from the data set provided during examination. 15
5. Laboratory Notebook. 5
6. Viva voce. 5

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