

2022

M.Sc.

4th Semester Examination (CCAЕ)

ZOOLOGY

PAPER—ZOO-494

(Practical)

Full Marks : 50

Time : 6 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. Estimate the soil organic carbon content in the given soil example. Write down the ecological significance of your result. 4+1
2. Apply appropriate statistical test to deduce significance from the data provided. 15

(Turn Over)

3. Extract, stain and display the chick embryo from the fertilized egg provided. Identify with reasons and draw labelled diagram. 8+4

 4. Give a labelled diagram of a neurosecretory cell, as observed under the high-powered objective of a microscope. State a diagnostic difference between such cells and ordinary neurons. Identify the microscopic samples A and B at the spot. 3+2+3

 5. Laboratory Note Book. 5

 6. Viva-voce. 5
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