

2023**M.Sc.****4th Semester Examination****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 supplied water utilizing the data provided as initial result of D.O. Calculate the result and make ecological comment on it. 3+1+1=5

2. Identify and describe the ultrastructural components in the provided electron microscopic image. 8

(2)
(OR)

Draw the posterior dorsal view of insect neuroendocrine system with proper labelling (or as instructed). 5+3=8

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

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