

M.Sc. 1st Semester Examination, 2023

ZOOLOGY

(Practical)

PAPER — ZOO-196

Full Marks : 50

Time : 5 hours

Answer **all** questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

1. Make a stained preparation of macrophage from the peritoneal fluid of the supplied specimen.

Draw, label and comment on your observation.

8 + 2

2. Make a cytological preparation of Polytene chromosome from the 3rd instar larva of *Drosophila*. Draw and label the same. 10 + 4
 3. Explain the genotype of the cross from *Drosophila melanogaster*. 6
 4. Stain mitochondria in the sample provided. Write down the procedure and draw the stained mitochondria. 6 + 2 + 2
 5. Laboratory Note Book 5
 6. Viva- voce 5
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