

**M. Sc. 1st Semester Examination, 2024**

**ZOOLOGY**

( Practical )

PAPER — ZOOL-110

*Full Marks : 50*

*Time : 5 hours*

**Answer all questions**

*The figures in the right hand margin indicate marks*

1. Make a stained preparation of macrophage from the peritoneal fluid of the supplied specimen. Draw, label and comment on your observation. 10 + 2
2. Write the working principle of blood group determination in human. 5

( Turn Over )

( 2 )

3. Make a cytological preparation of polytene chromosome from 3rd instar larva of *Drosophila*. Draw and label the same. 12 + 3
  4. Explain the genotype of the cross from *Drosophila melanogaster*. 8
  5. Laboratory notebook 5
  6. Viva-voce. 5
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| 6. Laboratory Notebook. | 5 |
| 7. Viva-voce.           | 5 |
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