

2020

ZOOLOGY

M.Sc. 1st Semester

Paper- ZOO-196

Practical

Full Marks: 50

Time: 2 hour

The figures in the right-hand margin indicate marks

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

Answer the following questions:

1. Write the procedure of stain preparation of macrophage. Draw diagram and comment on it. 10
2. Write down the process of agarose gel electrophoresis. 10
3. Draw and label of polytene chromosome from *Drosophila* larvae. What are the identifying characters of this chromosome. What are the significance of polytene chromosome? 10
4. Find out genotype the cross with explanation. 10

Vestigial female - 11, Normal female - 32, vestigial male - 10 and normal male - 30.

5. Write the process of mitochondrial staining from epithelial cell. Draw and comments on staining result. 10