

2021

Zoology

[P.G.]

(CBCS)

(M.Sc. First Semester Practical End Examination-2022)

PAPER-196

Full Marks:50

Time: 05 Hrs

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

1. Write the principle of human blood group determination.
Determine your own blood group and comment on result.
2+10+3=15
2. Write down the principle, Reagents and protocol of gel electrophoresis.
2+3+5=10
3. In *Drosophila*, a dominant gene (D) for Phenotype "dichaete" alters the bristle and also makes the wings remain extended from the body while the fly is at rest. It is homozygous lethal (a) Design a cross between two dichaete (Dd) flies and summarise the expected results. (b) Design a cross between dichaete and wild type and summarise the expected results. 10
4. Laboratory Note Book 5
5. Viva – Voce 5