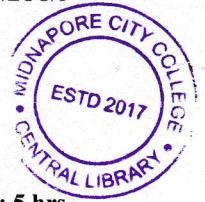


PG CBCS
M.Sc. Semester-IV Examination, 2022
DEPARTMENT OF ZOOLOGY
PAPER: ZOO 495C
(SPL PRACTICAL)



Full Marks: 50

Time: 5 hrs

Write the answer for each unit in separate sheet

The figures in the right-hand margin indicate full marks.

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

ZOO 495C: GENETICS AND MOLECULAR BIOLOGY SPECIAL

1. a. Write the working principle and application of SDS PAGE. Isolate, purify protein and characterize through SDS-PAGE. 5+3+12=20
- OR
- b. What is the working principle of Agarose gel electrophoresis? Isolate DNA from goat liver tissue and characterize through Agarose gel electrophoresis. 5+10+5=20
2. Statistically analyze the given data (chi square test) 10
3. Analyze the pedigree with proper reason. 10
4. Viva voce. 5
5. Laboratory note-book. 5
