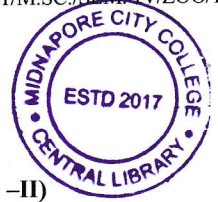


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PG (CBCS)
M.Sc. Semester- IV Examination, 2023
ZOOLOGY
PAPER: ZOO 495C
(GENETICS & MOL. BIOLOGY PRACTICAL –II)

**Full Marks: 50****Time: 6 Hours**

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.

- | | |
|---|-----------|
| 1. Answer any ONE question: | 1×20=20 |
| a) Isolate, purify protein and characterize through SDS-PAGE | 10+10 |
| OR | |
| b) What is the working principle of Agarose gel electrophoresis? Isolate DNA from goat liver tissue and characterise through agarose Gel electrophoresis. | 5+10+5=20 |
| 2. Statistically analyse the given data (chi square test) | 10 |
| 3. Analyse the Pedigree with proper reason. | 10 |
| 4. Viva | 5 |
| 5. Lab Note book. | 5 |
