

PG CBCS
M.Sc. Semester-IV Examination, 2026
ZOOLOGY
PAPER: ZOO 408C
(GENETICS & MOLECULAR BIOLOGY PRACTICAL-II)

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

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1. Write down the principle and procedure of SDS-PAGE and characterize the protein through it and make a comment. 5+5+8+2=20
 2. Write down the working Principle of Agarose Gel Electrophoresis and characterize the Genomic DNA from liver tissue. 5+5=10
 3. A genetic disorder appears in a family as shown in the pedigree chart supplied (assume standard symbols: squares=males, circles=females, shaded= affected, unshaded=normal). What is the most likely mode of inheritance of this disorder? Justify your answer with proper explanation. 5+5=10
 5. Laboratory note-book. 5
 6. Viva voce. 5



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