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**PG (CBCS)**  
**M.SC Semester- II Examination, 2023**  
**ZOOLOGY**  
**PAPER: ZOO 296**

**(MOLECULAR BIOLOGY, PARASITOLOGY AND FIELD STUDY)**

**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. Write the principle of Agarose gel electrophoresis. Prepare an agarose gel and load the DNA sample provided. 3+6+3
2.
  - a) Identify the following specimens(A,B) with reasons. Mention two characters of phylum & class. Write the systematic position. (2+1+1)×2
  - b) Make a smear of rectal content from the supplied specimen. Stain the sample. Comment on your observation. 7+3
3. Submission of field report. 10
4. Laboratory Note Book 5
5. Viva voce. 5

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