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Total No. of Questions: 11

[Total No. of Printed Pages : 3

BPP-1076

M.Sc. (Previous) Examination, 2022 ZOOLOGY

Paper - III

(Molecular Biology, Cytogenetics and Techniques)

Time: 3 Hours [Maximum Marks: 75

Section-A (Marks: $2 \times 10 = 20$)

Note: Answer all ten questions (Answer limit **50** words). Each question carries **2** marks.

Section–B (Marks : $5 \times 5 = 25$)

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 5 marks.

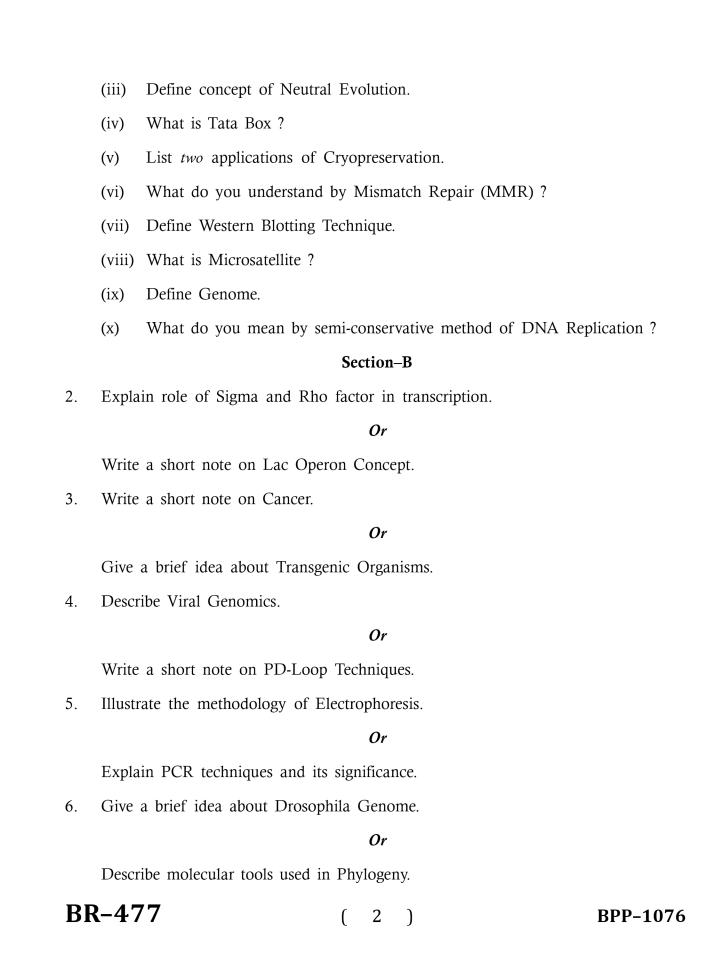
Section–C (Marks : $10 \times 3 = 30$)

Note: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

- 1. Attempt all questions :
 - (i) Define Split Gene.
 - (ii) What do you mean by DNA Chips?

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Section-C

- 7. Write an essay on DNA replication in Eukaryotes.
- 8. Discuss Genetic Engineering and its application in detail.
- 9. Describe in detail about DNA fingerprinting and its applications.
- 10. Explain briefly about Radioimmunoassay (RIA).
- 11. Write an essay on Automated DNA Sequencing.