

Roll No.

DD-482

**M. Sc. (Second Semester)
EXAMINATION, May-June, 2020**

BIOTECHNOLOGY

Paper Sixth

(Molecular Biology)

Time : Three Hours

Maximum Marks : 80

Note : Attempt all questions. All questions carry equal marks.

1. Write notes on the following :

- (a) Polyadenylation
- (b) Heat-Shock Protein
- (c) p53 protein
- (d) Molecular markers

Unit—I

2. Describe the DNA replication mechanism.

Or

Write notes on the following :

- (a) Nuclear export of m-RNA
- (b) SOS repair

(B-15) P. T. O.

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Unit—II

3. Explain about protein import in nucleus.

Or

Write notes on the following :

- (a) Secretary and membrane proteins
- (b) Translation factors

Unit—III

4. Discuss in detail about oncogene.

Or

Explain about antisense technology.

Unit—IV

5. Explain the RELP with application.

Or

Write notes on the following :

- (a) Southern hybridization
- (b) Genetic mapping