

Roll No. ....

**Y – 3201**

**M.Sc. (Microbiology) (Second Semester)**

**EXAMINATION, May/June-2021**

Paper – 201

**MICROBIAL GENETICS & MOLECULAR BIOLOGY**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Write a detailed note on organization of genetic material in prokaryotes. 17

**Unit-II**

2. Give a brief note on DNA damage and repair and its types. 17

**Unit-III**

3. Give detailed account on general principle and processes of transcription. 17

**Unit-IV**

4. What is signal hypothesis ? Discuss inhibitors of protein synthesis. 17

**Unit-V**

5. What is operon concept ? Give detail note on regulation of gene expression. 17

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