

U.G. 4th Semester Examination - 2021

MICROBIOLOGY

[HONOURS]

Course Code : MB-H-CC-P-08

(Microbial Genetics)

[PRACTICAL]

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

1. Answer any **two** of the following questions:

10×2=20

- i) Design an experiment for the determination of mutagenic effect of a chemical substance.
- ii) Write the principle and procedure of plasmid DNA isolation by alkaline lysis.
- iii) Design an experiment for determination of conformation of plasmid DNA. Write the principle behind the experiment.
- iv) How you will prepare survival curve of a bacterium against UV radiation?
