

U.G. 4th Semester Examination - 2021

MICROBIOLOGY

[HONOURS]

Course Code : MB-H-CC-P-09

(Recombinant DNA Technology)

[PRACTICAL]

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

1. Answer any **two** of the following: 10×2=20
 - a) State the principle and brief methodology for bacterial transformation by calcium chloride method. 4+6
 - b) Describe the principle and procedure of Southern blotting. 4+6
 - c) State the principle and brief methodology of agarose gel electrophoresis for visualising isolated DNA sample. 4+6
 - d) State the methodology of amplification of DNA by PCR.
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