

U.G. 3rd Semester Examination - 2021
Molecular Biology & Biotechnology
[HONOURS]

Course Code : MBBT302(P)/CCR-6
(General Microbiology)
[PRACTICAL]

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer any **one** of the following questions: 10×1=10

1. a) Describe the principle and protocol of staining methods for Gram-positive and Gram negative bacteria. 3+7

OR

- b) Write down the principle, material requirements and procedure of isolation of bacteria from a given sample. 3+2+5

OR

- c) Describe the principle and protocol of enumeration of total and viable cells from a given sample. 3+7

OR

- d) Describe the principle and methods of determination of bacterial cell size by micrometry. 3+7

2. Laboratory Notebook/Practical based Home Assignment. 5
3. Viva-Voce. 5
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[Turn over]