

**U.G. 3rd Semester Examination - 2020**  
**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 **two** of the following questions:     10×2=20

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

**OR**

2. Describe the principle and protocol of staining methods of Gram-positive and Gram-negative bacteria.     3+7
3. Describe the principle and methods of determination of bacterial cell size by micrometry.     3+7

**OR**

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