

U.G. 5th Semester Examination - 2020
Molecular Biology & Biotechnology
[HONOURS]
Course Code : MBBT(H)/CCR-11/PR
[PRACTICAL]

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.***Answer all the questions.**

1. Perform any **one** of the following experiments:

 $10 \times 1 = 10$

What is the significance of typical bacterial growth curve? What are the four stages of the growth curve? Write down the protocol for measuring the growth rate of bacteria.

 $2 + 3 + 5$ **OR**

Write down the principle and protocol of ethanol fermentation.

 $2 + 8$ **OR**

Write down the material required and protocol of α -Amylase production.

 $3 + 7$

Which microbes are used for lactic acid fermentation? Write down the principle and protocol of lactic acid fermentation.

 $1 + 3 + 6$

2. Laboratory Notebook/ Practical based Home Assignment (online submission to the Examiner): 5
3. Viva-voce (to be conducted by the Examiner through any online platform): 5

[Turn over]