

F - 1763

**C.B.C.S. (Second Semester)
EXAMINATION, MAY-JUNE, 2022
BIOTECHNOLOGY
(Basics Biotechnology)**

Time : Three Hours]

[Maximum Marks:80]

Note:- All questions are compulsory and carry equal marks.

1. Explain the various cell organelles and their function in detail.

OR

Discuss the structure and function of the eukaryotic cell.

2. Describe the nucleic acid in detail.

OR

Give a detailed account of carbohydrates.

3. Write a detailed note on lipids.

OR

What is a protein? Give a details account of the structure and function of the protein.

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4. Explain plant tissue culture techniques and their application.

OR

Write an elaborative note on the general concept and application of genetic engineering.

5. Write a salient feature and classification description of the virus.

OR

What is pollution? Describe the detail of air pollution and its remediation approach.