

B. Sc. Semester-V (Honours) Examinations-2020
Subject- Biotechnology
Paper- CC-11 (Bioprocess Technology)

Time- 2 hrs

Marks: 40

Answer *any eight* questions from the following

5 x 8 = 40

1. Illustrate the different steps of upstream processing.
2. Write short notes on Fedbatch and Continuous culture.
3. Illustrate product recovery and purification process.
4. Write a short note on Single Cell Protein.
5. Describe the growth kinetics of bacterial batch culture.
6. Describe the process of microbial production of ethanol.
7. Mention the significance of Impeller and Baffles.
8. Describe microbial production of amylase.
9. Mention the application of Cyclone column vessel and Packed tower vessel in bioprocess production.
10. Describe the process of microbial production of lactic acid.