

B. Sc. Semester-V (Honours) Examinations-2020
Subject- Microbiology
Paper- CC11 (Industrial Microbiology)(Theory)

Full Marks- 40

Time- 2 hrs.

Answer *any eight* questions from the following

5 x 8 = 40

1. Briefly describe any one method of preserving industrially important microbial strain.
2. What is corn steep liquor? What is the importance of using Corn Steep Liquor in production media of Penicillin?
3. Write the differences between batch fermenter and continuous stirred-tank fermenter.
4. Give an example of a beer producing organism. Describe various steps for industrial production of beer.
5. Mention any two cheap carbon sources other than molasses. Write the importance of molasses in industrial medium formulation.
6. Name an organism used for industrial production of amylase. Describe its downstream processing.
7. Describe any fermentation technique used for industrial production of citric acid.
8. Briefly describe lyophilization and spraydrying process.
9. Illustrate typical stirred tank fermenter.
10. Describe various aeration methods used in a fermentation vessel?