

Class-B.Sc. Biotech (IV<sup>th</sup>) Sem  
Subject – AGRO & Industrial App.of  
Microbes

Paper- Agro and Industrial App.

Time Allowed : 3 Hrs.

Maximum Marks : 40

Section – A

Note:- Attempt all questions.

1×8=8

1. What do you mean by Agro and Industrial Biotechnology?
2. Define antibiotics with example.
3. Define fermentation and give name of some fermented products.
4. What do you mean by Adjuncts?
5. Define sacchrification.
6. Expand the term SCP with one example.
7. What do you mean by Biocontrol agents? Name two organisms acting as Biocontrol agents:
8. What do you mean by secondary metabolites? Name any two.

Section – B

Note:- Attempt any five.

5×4=20

1. Discuss the production of cheese in detail.
2. Write a note on mycotoxins.
3. Discuss in detail the process of making SCP.

4. Write a note on Biofertilizers.
5. Write an explanatory note on Biocontrol agents.
6. What do you mean by organic farming? Discuss its applications.

Differentiate between primary and secondary metabolites.

### Section – C

**Note:- Attempt any two.**

**6×2=12**

1. Discuss in detail the process of Biotransformation.
2. Write a note on Agro Industrial Microbiology.
3. Discuss in detail the production of Beer.
4. Write an explanatory note on mycotoxins.

\*\*\*\*\*