

Roll No.

Total Pages : 3

721/MH

C-2050

MICROBIAL TECHNOLOGY

Paper-VI

Semester-VI

Time Allowed : 2 Hours]

[Maximum Marks : 52

Note : Attempt any **four** questions. All question carry equal marks.

1. Give a brief account of Historical development in microbial technology.
2. What are primary metabolites ? Explain the production of citric acid.
3. What is enzyme in immobilization ? Explain its various techniques.

4. Explain various techniques for production of single cell protein.
5. Explain various types of microbial transformation and its role.
6. What are Bioinsecticides ? Discuss the role of microbes in their production.
7. Explain the environmental hazards of genetically modified organisms.
8. What is Biosafety ? Explain various guidelines and regulations for rDNA products.
9. Write answer to the followings :
 - (i) Trade Secret.
 - (ii) Patents.
 - (iii) Biopiracy.
 - (iv) Name two Biofertilizers.

- (v) Biopesticides.
- (vi) rDNA products.
- (vii) Co-Immobilization.
- (viii) Secondary Metabolites.
- (ix) Siderophores.
- (x) Microbial lipids.