

026

Code No. 3346

FACULTY OF SCIENCE
B.Sc. VI-Semester (CBCS) Examination, May / June 2019

Subject : Bio-Technology

Paper – VII (DSC) : Microbial Technology

Time : 3 Hours

Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)

Note : Answer any FIVE of the following questions.

- 1 Scope of Industrial Biotechnology
- 2 IPR
- 3 Inoculum development
- 4 Types of fermentation
- 5 Lysine production
- 6 Uranium leaching with microbes
- 7 Methane production
- 8 Fermentation media – formulation

PART – B (3 x 15 = 45 Marks)
(Essay Answer Type)

Note: Answer ALL from the questions.

- 9 (a) Discuss the strategies for strain improvement of industrially useful microorganisms.

OR

- (b) Give a detailed account on Good manufacturing practices applied in biotechnology industry.

- 10 (a) Describe the design and principles of fermentor.

OR

- (b) Discuss the various factors affecting fermentation process.

- 11 (a) Explain the industrial production of cheese using microorganisms.

OR

- (b) What is quality control? Discuss the biotechnology procedures of quality control in food industry.
