



DNN-003-024204

Seat No. _____

M. Phil. (Microbiology) (Sem. II) (CBCS)

Examination

May / June – 2015

Micro 204 : Food & Dairy Microbiology

Faculty Code : 003

Subject Code : 024204

Time : 3 Hours]

[Total Marks : 70

Q1. Answer any 7 (2 marks each)

14

- i. What are synbiotics?
- ii. What is rennet?
- iii. What is Aspartame?
- iv. What is the difference between mushrooms and toadstools?
- v. What is SCP?
- vi. Enlist the differences between wines and spirits.
- vii. Enlist applications of pectinases in food industry.
- viii. Enlist HCHO fixation pathways used by methylotrophs.
- ix. What are transgenic plants?
- x. What is IPR?

Q2. Answer any 2 of the following (7 marks each)

14

- i. Discuss the importance of composting for the cultivation of button mushroom.
- ii. Describe the importance of starter cultures in food processing.
- iii. Discuss the production of Sauerkraut.

Q3. Answer the following (7 marks each)

14

- i. Give an account of Cyanobacteria.
- ii. Give an account of enzymes used in food processing.

OR

Q3. Answer the following (7 marks each)

14

- i. Describe the unique properties of probiotic bacteria.
- ii. Comment on the applications of methylotrophic bacteria in food industry.

Q4. Answer the following (7 marks each)

14

- i. Comment on the importance of reverse transcriptase in Genetic Engineering.
- ii. Discuss molecular techniques used for developing transgenic plants.

Q5. Write notes on any 2 of the following (7 marks each)

14

- i. Genetically modified food
- ii. HACCP
- iii. FDA
- iv. IPR