



DBM-003-1133006

Seat No. _____

M. Sc. (Biotechnology) (Sem. III) (CBCS)

(W.E.F. 2016) Examination

June - 2022

BT316 : Food Biotechnology

(Elective - III)

Faculty Code : 003

Subject Code : 1133006

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Instruction : Write any 5 out of 10.

- 1** Answer the following (each of 2 marks) **14**
- (1) What is Sausage ?
 - (2) Write the important properties of microbes used as SCP.
 - (3) State the difference between Probiotic and Prebiotic.
 - (4) What is botulism ?
 - (5) Define Mycotoxin and enlist toxins produced by *Aspergillus* species.
 - (6) Write the importance of quality assurance in food industry.
 - (7) What is EPA ?
- 2** Answer the following : (each of 7 marks) **14**
- (a) Write a short note on commercial production of Baker's yeast.
 - (b) Write a note on Cheese Manufacturing.
- 3** Answer the following : (each of 7 marks) **14**
- (a) Discuss production of Sauerkraut.
 - (b) Write a note on Mushroom cultivation.

- 4 Answer the following : (each of 7 marks) 14
(a) Discuss probiotic properties of Lactic Acid Bacteria.
(b) Write a note on genetically modified crops.
- 5 Answer the following : (each of 7 marks) 14
(a) Describe the role of Plant tissue culture in improvement of food.
(b) Discuss Biotechnological Importance of Cyanobacteria.
- 6 Answer the following : (each of 7 marks) 14
(a) Discuss foodborne intoxication with suitable examples.
(b) Write a note on applications of biosensors in food industry.
- 7 Answer the following : (each of 7 marks) 14
(a) Write a detailed note on plant based naturally occurring antimicrobials.
(b) Discuss food preservation by Canning and dehydration.
- 8 Answer the following : (each or 7 marks) 14
(a) Write a note on Intellectual property rights.
(b) Discuss risk analysis.
- 9 Answer the following (each of 7 marks) 14
(a) Write a detailed note on HACCP.
(b) Write a detailed note on Microbiological quality standards of food.
- 10 Answer the following : (each of 7 marks) 14
(a) Write a note on FDA.
(b) Write a detailed note on production of Sausage.
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