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Total No. of Questions: 09

M.Sc (Food Technology) (2018 Batch) (Sem.-1)

FOOD MICROBIOLOGY

Subject Code: MSFT-513-18 Paper ID: [75593]

Time: 3 Hrs. Max. Marks: 70

INSTRUCTIONS TO CANDIDATES:

- SECTION-A contains SEVEN questions carrying TWO marks each and students has to attempt any ALL questions.
- 2. SECTIONS-B consists of FOUR Subsections: Units-I, II, III & IV. Each Subsection contains TWO questions each carrying FOURTEEN marks each and student has to attempt any ONE question from each Subsection.

SECTION-A

- Q1 a) Which discovered the canning & define it?
 - b) What do you understand by cold sterilization?
 - c) What is food intoxication?
 - d) Define the term water activity.
 - e) What is neurotoxin?
 - f) What do you understand by Z-value?
 - g) What is the significance of food safety?

SECTION-B

UNIT-I

- O2Discuss in detail about the major milestones in the history of food microbiology and their significance.
- What do you understand by microbial growth? Discuss the microorganisms associated with Q3 cereals, pulses and oil seeds.

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UNIT-II

- Q4 Discuss in detail about the different extrinsic factors, which affect the microbial growth.
- Q5 Discuss the various biochemical changes during deterioration of foods along with suitable examples.

UNIT-III

- Q6 Enlist different Indian fermented foods. Discuss the raw materials, microflora involved and process for the production of yoghurt and cheese.
- Q7 Discuss in detail about the microorganisms involved and common methods used for the production of single cell protein.

UNIT-IV

- Q8 Write detailed note on seven principles of HACCP and its importance in food industry.
- Q9 What is salmonellosis? Explain its food sources, symptoms, it's out break and preventive measures.

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