Exam.Code:1322

Sub. Code: 9255

2053

B. Voc. (Food Processing and Preservation) Fourth Semester

FPP-404: Food Pathogens

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

- 1. Attempt the following:
 - a) Mention the common sources of food contamination.
 - b) Give characteristics and pathogenesis of Vibrio sp. and Hepatitis C.
 - c) Mention the different methods to control presence of mycotoxins in food.
 - d) What are the hazards associated with toxins from Enteric bacteria? (4x2)

UNIT- I

- Discuss in detail the risk associated in food borne illness. П.
- (8)

Discuss about diarrhoeal disease pathogenesis. III.

(8)

UNIT - II

- Explain the detection methods for Clostridium botulinum, Listeria monocytogenes IV. and Salmonella sp. (8)
 - ν. Write a note characteristics and pathogenesis of
 - a) Clostridium perfringens
 - b) Staphylococcus aureus

(4,4)

UNIT - III

- How Rota virus and Noro virus is detected in food? Explain the clinical symptoms of VI. Hepatitis A. (8)
- How food borne illness caused by Giardia lamblia can be prevented? Explain. (8) VII.

UNIT - IV

- VIII. What are the different methods to control foodborne diseases outbreaks in food service establishments? Explain. (8)
 - IX. Discuss in detail about mycotoxins of Aspergillus sp. and Penicillium sp. (8)