

Exam.Code:1502

Sub. Code: 9736

1057

B. Voc. (Food Processing and Preservation)

Fourth Semester

BFP-401: Industrial Safety and Hazards – II

Time allowed: 3 Hours

Max. Marks: 60

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

x-x-x

I. Write short notes on the following:-

a) HAZOP

b) In - vessel phenomenon

c) Electrical hazards

d) Plant reliability

(4x3)

### UNIT – I

II. Differentiate between the following:-

a) Electrical hazards and Noise hazards

b) Plant management and Plant maintenance

(2x6)

III. Explain in details the steps taken to maintain and reduce energy hazards in the management of a plant? (12)

### UNIT – II

IV. Explain the following:-

a) Plant reliability

b) Risk analysis

c) Consequence analysis

(3x4)

V. Describe the steps taken by an industry for designing safety techniques and measurement and calculation of risk? (12)

### UNIT – III

VI. Explain the following:-

a) Safety training

b) Failure distribution

c) Disaster management

(3x4)

(2)

- VII. Discuss the steps taken for emergency planning in disaster management using case studies? (12)

**UNIT - IV**

- VIII. Explain the role of emergency relief systems for prevention of a hazard? (12)

- IX. Discuss the role of sizing relief devices and calculations in avoiding emergencies and hazards? (12)

x-x-x