

1129

B. Voc. (Food Processing and Preservation)

Fifth Semester

FPP-505: Production Optimization and Cost Efficiency

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

I. Write short notes on:-

- a) Brief about Energy conservation guidelines in food industry
- b) What is Economic order quantity?
- c) Why any industry does need to document its production process changes?
- d) How does customer feedback play role in purchase management? (4x2)

**UNIT – I**

II. Draw the process of production emphasizing on two crucial steps involved in it. (8)

III. Explain the following:-

- a) Factors affecting performance of production
- b) Improvement opportunities in production. (2x4)

**UNIT – II**

IV. Explain the following:-

- a) What are the utilities requirements in a food industry?
- b) How to estimate energy usage requirement in production process. (2x4)

V. Describe in detail about the methods for promoting renewable and efficient resource and utilities management. (8)

**UNIT – III**

VI. How are the food production methods identified and designed? Explain in detail. (8)

VII. Discuss the following:-

- a) Methods for impact evaluation on product quality.
- b) Documentation of production process changes. (2x4)

P.T.O.

(2)

**UNIT - IV**

- VIII. Why do Inventory management take place in an organization? Name various techniques of inventory control. Elaborate on ABC analysis of inventory management. (8)
- IX. a) Explain about Purchasing cycle  
b) How to rate a vendor while doing purchasing management? (2x4)

X-X-X