



## UNIVERSITY COLLEGE TATI (UC TATI)

### FINAL EXAMINATION QUESTION BOOKLET

COURSE CODE	: BTE 3683
COURSE	: INDUSTRIAL MANAGEMENT
SEMESTER/SESSION	: 2-2024/2025
DURATION	: 3 HOURS

Instructions:

1. This booklet contains 3 questions. Answer **ALL** questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hands and ask the invigilator.

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**THIS BOOKLET CONTAINS 4 PRINTED PAGES INCLUDING COVER PAGE**

## QUESTION 1

- a) "Organization is the backbone of Management". Interpret this statement based on your understanding. (2 Marks)
- b) You have been assigned to work with a company with a traditional, functional organizational structure with sales, marketing, product development, finance and accounting, and operations teams each reporting to a VP, who then reports to the CEO. The company wants to move to a matrix organization that will retain the efficiencies of the functional organization but also group employees by product teams. You have been asked to comment on managing this change and communicating and responding to employee concerns. Specifically, you need to address:
- i. What are this project's desired impacts or benefits on the organization? (3 Marks)
  - ii. What are your employees' emotions about this organizational change? (3 Marks)
  - iii. How could the employee's emotions impact the organization or its operations? (3 Marks)
  - iv. How can the organization manage these emotions, or in what ways do you think they should manage these emotions to get the desired outcome? (3 Marks)

**Present** your answer in the context of industrial organization.

## QUESTION 2

- a) You own a factory and make steel furniture as and when orders are received from customers. **Describe** the procedure you would follow for production planning & control (PPC) in your factory including (pre-production planning, production control, production monitoring and process for finished goods and delivery).  
(15 Marks)
- b) **Identify** some measures to judge the effectiveness of production planning & control (PPC).  
(6 Marks)
- c) **Illustrate how** the Gantt chart is constructed and the way it represents the loading and scheduling.  
(6 Marks)
- d) **Explain** the various scheduling strategies.  
(6 Marks)
- e) **Discover** three ways of reducing scheduling problems.  
(6 Marks)
- f) One approach that can effectively reduce the impact of production bottlenecks in a job shop or batch operations setting is to use smaller lot sizes. **Determine** the impact of a production bottleneck.  
(4 Marks)

### QUESTION 3

- a) How do you classify the value of a product? **Explain and give examples** for each type of value. (12 Marks)
  
- b) **Identify** the steps involved in value analysis. (7 Marks)
  
- c) Select an item you are familiar with and **perform** a value analysis on it. (8 Marks)
  
- d) **Explain** the Function Analysis System Technique (FAST) diagram and its advantages. (8 Marks)
  
- e) **Discover** some of the unforeseen costs of Enterprise Resource Planning (ERP). (8 Marks)

-----End of question-----