

Exam. Code: 0943  
Sub. Code: 6739

2123  
B.E. (Mechanical Engineering)  
Seventh Semester  
MEC-704 (g): Industrial Engineering

Time allowed: 3 Hours

Max. Marks: 50

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each part.*

*x-x-x*

Q-1)

- 1) Which computer aided techniques can be used for layout designs?
- 2) How are alternate locations for facility design evaluated?
- 3) Give detailed formula to determine present value of future one time costs.
- 4) What is the role of Government Regulation towards National Productivity?
- 5) What is meant by tolerance design?

(5x2=10)

PART A

Q-2)

- 1) What are merits and demerits of a Fixed Plant Layout?
- 2) Differentiate between continuous improvement and Business Process Reengineering.

(5,5)

Q-3)

- 1) What are the five phases for adding value to a product?
- 2) What are the five principles of Kaizen?

(5,5)

Q-4)

- 1) What are the various methods to motivate human resource in an organization?
- 2) What are the principles of a good product design?

(5,5)

PART B

Q-5)

- 1) Give 5 objectives and drawbacks of wage incentive system.
- 2) Differentiate between Job evaluation and Merit Rating.

P.T.O.

(2)

Q-6)

(5,5)

- 1) Describe the complete Method Study procedure.
- 2) What are the rules concerning work place layouts?

Q-7)

(5,5)

Write short notes on any 2 of the following:-

- 1) Skill and effort rating
- 2) PMTS
- 3) Control Charts

(5,5)

x-x-x