

Total No. of Questions :10]

SEAT No. :

[Total No. of Pages :3

P2813

[4958] - 115

T.E. (Mechanical)

INDUSTRIAL ENGINEERING AND TECHNOLOGY MANAGEMENT

(Semester - I) (2008 Course) (302044)

Time : 3 Hours]

[Max. Marks :100

Instructions to the candidates:

- 1) Answers to the two Sections should be written in separate answer books.*
- 2) Answer any one question from 1&2, 3&4, 6&7, 8&9.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Figures to the right side indicate full marks.*
- 5) Assume suitable data if necessary.*

SECTION - I

- Q1)** a) What is scientific Management? Explain in brief various functions of Management. **[10]**
- b) Discuss different principles of material handling. **[6]**

OR

- Q2)** a) What is plant layout? Explain various factors affecting selection of site for good plant. **[10]**
- b) Write a note on various leadership styles adopted in industry. **[6]**

- Q3)** a) What is Method Study? Explain its procedure. **[10]**
- b) What is Work Measurement? What is its importance? **[6]**

OR

P.T.O.

- Q4)** a) What is 'THERBLIG'? Draw any 5 symbols. [10]
b) What is two handed process chart? Explain. [6]

Q5) Write notes on any three of following: [18]

- a) Zero based budgeting.
- b) SIMO chart.
- c) ABC analysis
- d) Aggregate planning
- e) EOQ.
- f) Work space design.

SECTION - II

- Q6)** a) Discuss evolution and growth of technology. [10]
b) Discuss advantages of new technology. [6]

OR

- Q7)** a) How society and business is affected by technology? [10]
b) Discuss Intellectual Property. [6]

- Q8)** a) What do you mean by Technological Forecasting? Explain various techniques used in Technology Forecasting. [10]
b) List the various methods of Technology Acquisition. Explain any two in detail. [6]

OR

Q9) a) Explain the following: **[10]**

- i) Technological Leadership
- ii) Technology Monitoring
- iii) Mission Flow diagram

b) What do you mean by Technology Assessment? **[6]**

Q10) Write notes on any three of following: **[18]**

- a) Technology adoption
- b) IPR
- c) Technology transfer
- d) Technology diffusion
- e) Technology absorption
- f) Steps in technology planning

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