Total No. of Questions :10]

SEAT No. :

P2813

[Total No. of Pages :3

[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