

Total No. of Questions : 12]

SEAT No. :

**P2263**

[4758]-22

[Total No. of Pages : 3

**T.E. (Mech. S/W)**

**PRODUCTION MANAGEMENT**

**(2008 Course) (Semester - I)**

*Time : 3 Hours]*

*[Max. Marks :100*

*Instructions to the candidates:*

- 1) Answer 3 questions from section I and 3 questions from section II.*
- 2) Answers to the two sections must be written in separate books.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Figures to the right indicate full marks.*

**SECTION - I**

- Q1) a)** What is meant by scientific management? Explain in brief various functions of management. **[9]**
- b) Explain different types of organisation in short. **[9]**

OR

- Q2) a)** What are different types of group dynamics explain characteristics of group dynamics. **[9]**
- b) Explain partnership firm and co-operative company in detail. **[9]**
- Q3) a)** Explain objectives of production management. **[8]**
- b) Compare different types of production system (job, batch and mass) and its characteristics. **[8]**

OR

**P.T.O.**

- Q4)** a) Explain plant location and various types of layout. [8]  
b) Write notes on production planning and control. [8]

- Q5)** a) Explain motion study process in detail. [8]  
b) Explain importance of ergonomics in industry. [8]

OR

- Q6)** a) Write short note on allowances in time study. [8]  
b) Explain symbols used in motion and time study. [8]

**SECTION - II**

- Q7)** a) Compare various control charts with their applications. [9]  
b) Explain the various terms related to OC curve. [9]

OR

- Q8)** a) Define quality and its various characteristics. [9]  
b) Compare sampling and 100% inspection. [9]

- Q9)** a) Explain 5's principle of manufacturing. [8]  
b) Write short notes on quality circle. [8]

OR

- Q10)** a) Explain concurrent Engg. [8]  
b) Explain 7 QC tools. [8]

**Q11)a)** Explain the reliability in Engineering. [8]

b) Write short notes on I.S.O. [8]

OR

**Q12)a)** Explain Taguchi method of DOE. [6]

b) Explain the FMEA and FTA. [10]

*EEE*