

SEAT No. :

[Total No. of Pages :2

P2849

Total No. of Questions :12]

[4958]-1025

T.E. (Mechanical Sandwich)

Industrial Engineering & Production Management (Self Study - II)

(2012 Course) (Semester - II) (302067)

Time : 2½ Hours]

[Max. Marks :100

Instructions to the candidates:

- 1) *Answer 03 questions from Section I and 03 questions from Section II.*
- 2) *Answer to the two section should 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) Explain briefly role of Industrial Engineering in management with a suitable examples. **[8]**
- b) Briefly mention contribution of F W Taylor & Gilberth to industrial engineering. **[8]**

OR

- Q2)** a) What are the various approaches to management? **[8]**
- b) What are various stages of evolution of management. **[8]**
- Q3)** a) Explain the objective and scope of method study. Also explain briefly the steps involved in Method study. **[8]**
- b) Write short note on. **[8]**
- i) Selection of Job for method study.
 - ii) Use of motion pictures

OR

- Q4)** a) Explain the objectives of Time study state briefly the steps in time study. **[8]**
- b) Write a short note on Performance rating and allowances. **[8]**

P.T.O.

- Q5)** Write short notes on. **[18]**
- a) Qualities of Production manager.
 - b) Objectives of good plant layout.
 - c) Principles of material handling.

OR

- Q6)** a) Explain the responsibilities and qualities of a production manager? **[9]**
- b) Explain procedure of selection of plant location & layout for three wheeler automobile plant. **[9]**

SECTION - II

- Q7)** a) Discuss moving average method in detail. **[8]**
- b) Explain objectives and basic of EOQ. **[8]**

OR

- Q8)** a) Explain Bill of materials and discuss its importance in production management **[8]**
- b) Compare CPM and PERT. **[8]**

- Q9)** a) Write short note on factors affecting process design. **[8]**
- b) Explain VED analysis in detail. **[8]**

OR

- Q10)**a) Discuss general consideration in selecting machining methods. **[8]**
- b) Explain principles and phases of process planning in detail. **[8]**

- Q11)** Write short notes on. **[18]**
- a) TPM.
 - b) Poka Yoke.
 - c) Muda elimination.

OR

- Q12)**a) Write short note JIT and lean manufacturing. **[10]**
- b) Explain in detail Master Production schedule. **[8]**

