

INDUSTRIAL MANAGEMENT

Time – 3 hrs

Full Marks- 100

Answer any five Question

- 1) A) Summarize F.W. Taylor's Contributions towards development of management thoughts and ideas.
B) Describe an Organization chart of any one type of Organization structure and discuss the possible drawbacks of it. 10 + 10 =20
- 2) A) Write down the function of a manager of an industry.
B) Explain the factors which are directly related for the selection of facility location. 10 + 10 =20
- 3) A) Explain the classification of work study.
B) Describe one type of layout system with advantages and disadvantages. 10 + 10 =20
- 4) Write short notes on any four:-
A) Flow Diagram.
B) Preventive Maintenance.
C) Time Study.
D) Gantt Chart
E) Importance of Forecasting. 4 x 5 =20

[Turn over

- 5) A) Explain the advantages of Break Even analysis.
- B) Describe with diagram the Break – even chart.
- C) An Instrument manufacturing company has the capacity to produce 2000 instrument per year. The Variable cost of a instrument is Rs 4000 and selling of each instrument is Rs 5000. Fixed Overheads are Rs 120000 per year. Calculate the break even points for output and Sales.

$$5 + 7+8 =20$$

- 6) A) State the Importance of Statistical Quality Control.
- B) Describe LIFO and FIFO.
- C) Explain in short the ABC analysis.
- D) The rate of use of a particular raw material from a store is 20 units per - year. The ordering cost is Rs 40 per order. The cost of each unit is Rs 100. The inventory carrying cost is 16 % of the item cost per year. Find 1) EOQ 2) Re-order Point, if the lead time is 3 months.

$$4+ 3+3 +10 =20$$

- 7) A) Explain the flowing:-
- i) Critical activities. ii) Dummy activities. iii) Negative Float.
- B) Describe the differences between PERT and CPM.
- C) Draw the network comprising following activities.
- i) A and B start immediately.
- ii) A is the predecessor of E.
- iii) F depends on the completion of B .
- iv) D depends on the completion of both A and B.
- v) E- is the Predecessor of G.

$$6+6 +8 =20$$