BT-S/D-19

INDUSTRIAL ENGINEERING

Paper-ME-307 N

Time allowed: 3 hours]

[Maximum marks: 75

Note: Attempt any five questions, selecting at least one question from each unit.

Unit-I

Write briefly on steps and procedure to do method study.

What factors affect the slection of a process for carrying out method study?

2. Write briefly on:

(a) Performance Rating.

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(b) SIMO Charts.

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Unit-II

Describe various preplanning activities. Discuss the concept of
 master schedule, daily schedule and Gantt charts.

WrIte briefly on 'classical organization theory' and 'modern organization theory'. Discuss characteristics of a good organization.

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Unit-III

Make a forecast for the year 2020 for the given data by time series analysis:

Year	Quarter	Sales (kg)
2018	. 1	156
	2	178
	3	140
	4	187
2019	1	168
	2	187
	3	172
	4	196
2020	1	185
	2	199
	3)	188
	4	216

6. A company uses 3200 castings per month. Each casting costs rupees 5,200 and inventory carrying cost is 8 percent while ordering cost is rupees 1450 per order. Calculate EOQ. Number of orders per year and order interval.

Unit-IV

7. Describe concept and objectives of supply chain management. 15

8. Write briefly on:

(a) Wages and incentives

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(b) Significance of value engineering.

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