

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – OCTOBER/NOVEMBER-2018.

PRODUCTION/OPERATIONS MANAGEMENT

(Maximum Marks : 100)

Time : 3 hours

PART-A
(Maximum marks: 10)

Marks

I. Answer all questions in one or two sentences. Each question carries 2 marks.

1. State the meaning of work study.
2. Define Process Planning.
3. Define Aggregate demand.
4. Write any four inventory control techniques.
5. Write the usage of PERT.

(5X2=10)

PART - B
(Maximum Marks : 30)

II Answer any five of the following questions. Each question carries 6 marks.

1. Briefly explain Plant layouts.
2. Illustrate any 5 therbligs with its meaning.
3. Describe ABC technique of Inventory Control.
4. Differentiate between Centralized and Decentralized purchasing.
5. Write the procedure for developing master production schedule.
6. Describe aggregate plans for services.
7. Detail on Critical Path method.

[5x6 =30]

PART - C
(Maximum marks : 60)

(Answer one full question from each unit. Each full question carries 15 marks)

UNIT I

III Explain different types of Production Systems.

(15)

OR

- IV** Explain Process charts and its different types. (15)

UNIT- II

- V** (a) Explain the concept Sales Forecasting. (7)
(b) Explain the term MPS in detail. (8)

OR

- VI** (a) Summarize the different mathematical models of aggregate planning. (8)
(b) Describe MPS in Produce to order and Produce to stock for a firm. (7)

UNIT- III

- VII** (a) Explain the Procurement Procedure in detail. (10)
(b) Discuss the 5 R's of Purchasing. (5)

OR

- VIII** (a) Elaborate any 5 methods of Purchasing. (10)
(b) Differentiate between VED analysis and FSN method of Inventory Control. (5)

UNIT – IV

- IX** (a) Describe the characteristics of Projects. (7)
(b) Explain the different sources of Project Ideas. (8)

OR

- X** (a) State the objectives of Network Analysis. (9)
(b) Describe Project Identification. (6)
