TED (15) – 2254 Reg. No. .....

(REVISION — 2015) Signature .....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

PRODUCTION/OPERATIONS MANAGEMENT

[*Time* : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

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

1. Define operation strategy.
2. Define master production schedule.
3. State the meaning of the term procurement.
4. Define critical path.
5. Define production planning.

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain plant layout.
2. Explain aggregate planning.
3. Explain simplification.
4. Discuss on project identification.
5. Discuss any two techniques of inventory control.
6. Discuss any two types of production system.
7. Explain mathematical models for aggregate planning.

(5×6 = 30)

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Marks

PART — C

(Maximum marks : 60)

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

UNIT — I

III (a) Explain the following terms :

(i) Work study

(ii) Work measurement

(iii) Method study 15

OR

IV (a) Explain in detail the different types of process charts. 10

(b) Explain Therbligs. 5

UNIT — II

V (a) Enumerate the functions of master production schedule. 5

(b) Discuss master production scheduling in produce to stock and produce to order for firms. 10

OR

VI Explain sales forecasting and the methods used for sales forecasting. 15

UNIT — III

VII (a) Explain the various methods of purchasing. 8

(b) Explain the steps in value analysis. 7

OR

VIII Explain in detail the various steps in procurement procedure. 15

UNIT — IV

IX (a) Discuss the objectives of network analysis. 5

(b) Explain the following terms :

(i) PERT (ii) CPM 10

OR

X Discuss the various concepts in network. 15

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