

TED (21) – 4024
REVISION 2021

Reg.No.....
Signature.....

FOURTH SEMESTER DIPLOMA EXAMINATION IN ENGINEERING
AND TECHNOLOGY / COMMERCIAL PRACTICE / MANAGEMENT

INDUSTRIAL ENGINEERING

Time: 3 hours

Maximum Marks: 75

PART A

I. Answer all questions in one word or one sentence. Each question carries one mark.

(9 x 1 = 9 Marks)

1	Simply define an industry	M 1.02	R
2	What you mean by productivity	M 1.01	R
3	Define work study	M 2.04	R
4	List the procedure of method study	M 2.03	R
5	Write any four examples of appraisal cost	M3.01	R
6	Explain any four types of inspection	M 3.02	R
7	Explain the term sampling inspection	M 3.01	R
8	List the elements of costing?	M4.02	R
9	Define the following terms (2) (A) Mean (B) Mode (C) Median	M 4.02	R

PART B

II. Answer any eight questions from the following. Each question carries 3 marks

(8 x 3 = 24 Marks)

1	Explain the following terms (a)Preplanning (b) Process Planning (c) Routing	M 1.02	U
2	Explain the term material handling	M 1.02	U
3	Explain briefly about string diagram	M 2.02	R
4	Draw and define process chart symbols	M 2.02	U
5	Draw a two handed process chart for assembly of nut and bolt	M 2.04	R

6	Explain the objectives of quality control	M 3.02	U
7	Find out the mean median mode of the following values 7,9,3,2,4,5,1,6,8,2,4,5,1,6,8,2	M 3.02	U
8	Compare floor inspection and centralized inspection	M 3.02	U
9	Draw an OC curve and mark the points	M 4.02	U
10	Compare estimation and costing	M 4.02	U

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

III	What are the factors influencing for the selection of work place	M 1.02	U
	OR		
IV	How can we increase the productivity of an industry	M 1.01	U
V	Draw a flow process chart changing the punched tire of a car	M2.02	U
	OR		
VI	Tabulate THERBLIG symbol with description	M2.03	U
VII	Explain about control charts and its advantages	M 3.01	U
	OR		
VIII	Explain about the construction of X Chart	M 3.03	A
IX	Explain the objectives of costing	M4.01	A
	OR		
X	Explain the causes of depreciation	M4.03	U
XI	Draw a normal distribution curve with required elements	M 3.03	U
	OR		
XII	Explain the elements of cost	M 4.03	U
XIII	What are the benefits of increasing production in an industry	M 1.02	U
	OR		
XIV	Explain the various methods of calculating depreciation	M 4.01	A