

TED (21) – 5001
REVISION 2021

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

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

INDUSTRIAL MANAGEMENT AND SAFETY

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	Define Management	M 1.01	R
2	Give 1 example for Co-operative Society	M 1.04	R
3	What is inventory?	M 2.05	R
4	An event which occurs before another event is called _____	M 3.01	R
5	CPM stands for _____	M3.01	R
6	Write any two unsafe conditions while working in industry.	M 4.01	R
7	What is Sole proprietorship?	M 1.04	R
8	The path in which LFT and EFT are equal is called _____	M 3.01	R
9	What do you mean by vision?	M 2.03	R

PART B

II. Answer any eight questions from the following. Each question carries 3 marks
(8 x 3 = 24 Marks)

1	Describe about the types of Wages.	M 1.04	U
2	Explain about the methods of training.	M 1.03	U
3	List out the steps in ISO 9000 installation.	M 2.02	U
4	Explain the objectives of purchase department	M 2.04	U
5	Write any three applications of CPM.	M 3.01	A

6	Compare the Private Ltd. company and Public Ltd. company.	M 1.04	U
7	Define the three terms used in PERT.	M 3.01	U
8	List out any three precautions to be carried out while handling electrical equipment in industry.	M 4.02	U
9	What do you mean by Critical Path and Dummy Activity ?	M 3.01	U
10	Describe the causes of accident in industry.	M 4.01	U

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

III	List out the contributions of F.W Taylor in the Management.	M 1.01	U																														
	OR																																
IV	Enumerate the Henry Fayol's 14 Principles of Management.	M 1.01	U																														
V	Explain briefly about the 5S Concept.	M2.05	U																														
	OR																																
VI	Write the ten mantras of Total Quality Management	M2.02	U																														
VII	Define LPP. Write the steps to solve LPP..	M 3.04	A																														
	OR																																
VIII	A company has 4 manufacturing units and which has to be distributed to 3 different wholesale distributors. The table a shows the supply capacities of the manufacturing units and the demands of the whole sailer at three destinations. The cost of transporting one unit of the product from each of the manufacturing unit to each of the whole sailer is given in table a	M 3.06	A																														
	<table><tr><td>Factory</td><td>D₁</td><td>Whole Sailer D₂</td><td>D₃</td><td>Supply</td></tr><tr><td>O₁</td><td>3</td><td>5</td><td>7</td><td>5</td></tr><tr><td>O₂</td><td>2</td><td>7</td><td>4</td><td>8</td></tr><tr><td>O₃</td><td>5</td><td>4</td><td>7</td><td>7</td></tr><tr><td>O₄</td><td>1</td><td>2</td><td>6</td><td>14</td></tr><tr><td>Demand</td><td>7</td><td>9</td><td>18</td><td></td></tr></table>	Factory	D ₁	Whole Sailer D ₂	D ₃	Supply	O ₁	3	5	7	5	O ₂	2	7	4	8	O ₃	5	4	7	7	O ₄	1	2	6	14	Demand	7	9	18			
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IX	Define the terms(i) Performance index (ii) Frequency rate (iii) Severity rate (iv)Accident Proneness	M4.02	U																														
	OR																																
X	Explain in detail the 4E's of accident prevention technique.	M4.01	U																														
XI	Describe about any one type of Inventory model.	M 2.05	U																														
	OR																																
XII	Differentiate between CPM and PERT	M 3.01	A																														
XIII	Explain briefly the functions of Management.	M 1.01	U																														
	OR																																
XIV	Define the terms (i)Activity (ii)Event (iii)EFT (iv)LFT (v)Slack	M 3.01	U																														