

TED(21)5011  
(Revision–2021)

Reg. No.....  
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**DIPLOMA EXAMINATION IN  
ENGINEERING/TECHNOLOGY  
/MANAGEMENT/COMMERCIAL PRACTICE, OCTOBER–2024**

**CONSTRUCTION MANAGEMENT AND SAFETY  
ENGINEERING**

[Maximum Marks: 75]

[Time: 3Hours]

**PART-A**

**I. Answer *all* the following questions in one word or one sentence. Each question carries 'one' mark.**

(9x1=9Marks)

Module Outcome Cognitive level

1.	Define Organization.	M1.03	R
2.	Define construction management.	M1.02	R
3.	What is PERT	M2.03	R
4.	List out 2 types of Floats	M2.02	R
5.	Define activity.	M2.02	R
6.	List out any 1 Labour Laws and Acts	M4.04	R
7.	Define tender.	M3.04	R
8.	List any two safety practices at construction site..	M3.01	R
9.	List out 2 effects of accident.	M4.01	R

**PART-B**

**II. Answer any *eight* questions from the following. Each question carries 'three' marks.**

(8x3=24Marks)

Module Outcome Cognitive level

1.	Explain Functional organization.	M1.02	U
2.	Describe Line or military organization.	M1.01	R
3.	Sketch a site layout	M1.03	U
4.	Define Event, dummy activities.	M2.04	U
5.	Define cost slope.	M2.02	U
6.	List out any six modern equipment used in construction projects	M3.04	U
7.	Identify the factors related to selection of equipment.	M3.01	U
8.	Explain Item rate contract and Percentage rate contract	M3.03	U
9.	Describe major causes of accidents at project site	M4.01	R
10.	List out precautions in handling hazardous material. What are the basic principles of safety?	M4.01	R

**PART-C**

**Answer all questions. Each question carries 'seven' marks**

**(6x7=42Marks)**

ModuleOutcomeCognitivelevel

III.	Differentiate between ABC and VED <b>OR</b>	M1.01	R
IV.	Explain types of disputes in construction management.	M1.03	U
V.	Explain optimistic time and pessimistic time. <b>OR</b>	M2.01	U
VI.	Explain inventory control by VED technique.	M2.02	U
VII.	Describe a)Lump-sum contract b)Item rate contract <b>OR</b>	M3.02	R
VIII.	Describe the Procedure for e-tender	M3.04	U
IX.	List out precautions in handling hazardous material. <b>OR</b>	M4.01	R
X.	List out any 6 Labour Laws and Acts.	M4.03	R
XI.	Explain inventory control by ABC technique <b>OR</b>	M2.04	U
XII.	List out Merits & limitations of bar chart	M2.04	U
XIII.	What are the advantages and disadvantages of Line and staff organization? <b>OR</b>	M1.01	R
XIV.	What are the factors affecting site layout?	M2.04	U