

**DIPLOMA EXAMINATION IN
ENGINEERING/TECHNOLOGY
/MANAGEMENT/COMMERCIALPRACTICE, APRIL–2024**

Construction management and safety engineering

[MaximumMarks:75]

[Time:3Hours]

PART-A

**I. Answerallthefollowingquestionsinonewordoronesentence.Eachquestioncarries
'one'mark.**

(9x1=9Marks)

ModuleOutcomeCognitivelevel			
1.	Define builder	M1.03	R
2.	Define DPR	M1.02	R
3.	Define activity	M2.03	R
4.	List out 2 types of Floats	M2.02	R
5.	What is PERT	M2.02	R
6.	List out any two Labour Laws and Acts	M4.04	R
7.	What is the use of angle bull dozer.	M3.04	R
8.	List any two safety practices at Underwater construction.	M3.01	R
9.	What is the role of supervisor.	M4.01	R

PART-B

II. Answeranyeightquestionsfromthefollowing.Eachquestioncarries'three'marks.

(8x3=24Marks)

ModuleOutcomeCognitivelevel			
1.	Identify Role of various personnel in construction organization	M1.02	U
2.	What are the factors affecting site layout?	M1.01	R
3.	Define builder, designer, architects	M1.03	U
4.	Define critical activities and critical path	M2.04	U
5.	Define Floats: independent and total floats	M2.02	U
6.	Identify the factors related to selection of equipment.	M3.04	U
7.	Describe the Procedure for e-tender	M3.01	U
8.	Explain Item rate contract and Percentage rate contract	M3.03	U
9.	List out effects of accidents	M4.01	R
10.	List out precautions in handling hazardous materials.	M4.01	R

PART-C

Answer all questions. Each question carries 'seven' marks

(6x7=42Marks)

Module Outcome Cognitive level

III.	What are the advantages and disadvantages of Line and staff organization?	M1.01	R
IV.	OR Explain Land acquisition procedures and providing compensation.	M1.03	U
V.	Explain inventory control by ABC technique. OR	M2.01	U
VI.	Explain inventory control by VED technique.	M2.02	U
VII.	List out types of Construction contracts and explain each.	M3.02	R
VIII.	Identify the factors related to selection of equipment.	M3.04	U
IX.	What are the basic principles of safety? OR	M4.01	R
X.	List out major causes of accidents at project site.	M4.03	R
XI.	List out Merits & limitations of bar chart. OR	M2.04	U
XII.	Differentiate between ABC and VED	M2.04	U
XIII.	Explain Functional organization.	M1.01	R
XIV.	OR List out Merits & limitations of bar chart.	M2.04	U