

Total number of printed pages: Civil Engineering (D)/VI/DCE603

2025

CONSTRUCTION AND PROJECT MANAGEMENT

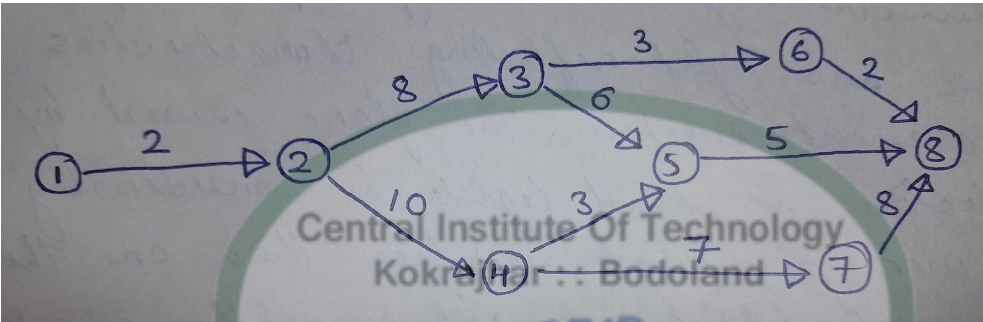
Full Marks: 100

Time: Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

1.	a)	What are the objectives of materials management?	5
	b)	Draw store layout when materials are grouped.	5
	c)	Give the differences between PERT and CPM.	10
2.	a)	What are the precautions to be taken while storing civil engineering materials?	5
	b)	What are the functions of materials management department?	5
	c)	Draw a network diagram for the project having 9 activities with the following inter-relationship (i) C follows D but precedes F (ii) C follows B but precedes H (iii) G follows F but precedes I (iv) E follows A but precedes I (v) D follows A (vi) H and I terminate at the same time (vii) A and B start at the same time	10
3	a)	Draw the organizational chart for state PWD.	5
	b)	Explain the resources required for construction industry.	5
	c)	Prepare the terms and conditions of contract for any government civil engineering work.	10
4.	a)	How arbitration is different from normal court litigation?	5
	b)	Write the safety precautions to be taken during demolition of structures.	5
	c)	Explain different types of Civil engineering drawings.	10

5.	a)	Explain in detail: Different stages in construction	10
	b)	Explain the rules to be followed while developing a network with the help of neat sketches.	10
6.	<p>For the Network shown below, Determine Event times, Activity times, different types of floats and critical path.</p> 		20

