

CBCS SCHEME

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BCV501

Fifth Semester B.E./B.Tech. Degree Examination, June/July 2026 Construction Management and Entrepreneurship

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1											M	L	C																						
Q.1	a.	Discuss the ideal characteristics of Management.									6	L1	CO1																						
	b.	Discuss the important steps involved in construction planning.									6	L1	CO1																						
	c.	Draw the network diagram and identify critical path using CPM for the following activity data:									8	L3	CO1																						
<table><tr><td>Activity</td><td>1-2</td><td>2-3</td><td>2-4</td><td>3-5</td><td>3-6</td><td>4-5</td><td>4-7</td><td>5-8</td><td>6-8</td><td>7-8</td></tr><tr><td>Duration (Days)</td><td>5</td><td>2</td><td>6</td><td>4</td><td>4</td><td>2</td><td>3</td><td>7</td><td>8</td><td>2</td></tr></table>											Activity	1-2	2-3	2-4	3-5	3-6	4-5	4-7	5-8	6-8	7-8	Duration (Days)	5	2	6	4	4	2	3	7	8	2			
Activity	1-2	2-3	2-4	3-5	3-6	4-5	4-7	5-8	6-8	7-8																									
Duration (Days)	5	2	6	4	4	2	3	7	8	2																									
OR																																			
Q.2	a.	Differentiate between CPM and PERT.									6	L1	CO1																						
	b.	What is work break down structure? Mention its significance in construction project.									6	L1	CO1																						
	c.	Draw the network diagram and identify critical path using CPM for the following activity data:									8	L3	CO1																						
<table><tr><td>Activity</td><td>1-2</td><td>2-3</td><td>2-4</td><td>2-5</td><td>3-5</td><td>3-7</td><td>4-6</td><td>5-7</td><td>6-7</td><td>7-8</td></tr><tr><td>Duration (Days)</td><td>8</td><td>12</td><td>18</td><td>4</td><td>6</td><td>16</td><td>20</td><td>4</td><td>8</td><td>6</td></tr></table>											Activity	1-2	2-3	2-4	2-5	3-5	3-7	4-6	5-7	6-7	7-8	Duration (Days)	8	12	18	4	6	16	20	4	8	6			
Activity	1-2	2-3	2-4	2-5	3-5	3-7	4-6	5-7	6-7	7-8																									
Duration (Days)	8	12	18	4	6	16	20	4	8	6																									
Module – 2																																			
Q.3	a.	Enumerate the basic concepts of resource management.									6	L1	CO2																						
	b.	List the factors affecting labour productivity, briefly discuss any two factors.									7	L1	CO2																						
	c.	What are the factors influencing inventory management?									7	L2	CO2																						
OR																																			
Q.4	a.	What is the purpose of having material management system in construction?									4	L1	CO2																						
	b.	Explain different class of labour employed in construction project.									7	L1	CO2																						
	c.	Enumerate the factors to be considered for selection of construction equipments.									9	L2	CO2																						

1 of 2

Module – 3

Q.5	a.	Explain different types of procurement types.	6	L1	CO3
	b.	Explain the tendering process and contract awarding in construction.	7	L2	CO3
	c.	Differentiate between Project completion and Project closure.	7	L2	CO3

OR

Q.6	a.	What is sustainable procurement management?	6	L1	CO3
	b.	Differentiate between Contractor and Sub-contractor.	7	L2	CO3
	c.	Explain the construction contract formations and types.	7	L3	CO3

Module – 4

Q.7	a.	Explain the safety requirement to be adopted at construction site.	8	L2	CO4
	b.	Differentiate between quality control and quality assurance.	6	L1	CO4
	c.	Discuss on the following: i) Safety and Health codes ii) Facilities Management iii) Occupancy certificate.	6	L1	CO4

OR

Q.8	a.	Explain the TQM process in construction.	8	L2	CO4
	b.	Briefly write about risk management process in construction.	6	L1	CO4
	c.	Briefly explain about PPE (Personal Protective Equipment) used at construction site.	6	L1	CO4

Module – 5

Q.9	a.	Mention the uses of direct foreign investment.	4	L1	CO5
	b.	Discuss in detail about the project report for starting a new venture.	8	L2	CO5
	c.	Explain business planning process.	8	L1	CO5

OR

Q.10	a.	Write briefly about international entrepreneurship opportunities.	4	L1	CO5
	b.	Enumerate the different barriers for entrepreneurship.	8	L1	CO5
	c.	Discuss the characteristics of entrepreneur.	8	L2	CO5
