		CBC	S SCHEME	LIBRARY	
USN					5ARC8.6
		Eighth Semester B.Arch. D)egree Examinati	on June/July 20	19
		Project and Con		· •	
Tim		3 hrs.	2		faular 100
1 11	ne;	5 11/8,	N Y	Max. N	1arks: 100
	1	Note: Answer any FIVE full question	ns, choosing one full q	uestion from each mo	dule.
			Module-1	1	
1	a.	Discuss the important functions of n	nanagement in context	of the construction pro	jects. (10 Marks)
	b.	What is project life cycle? Explain t	he phases of a project l	ifé cycle.	(10 Marks) (10 Marks)
		Gru	OR 😽		
2		Elaborate the types of organization		an organization chart	for a small
		construction firm,	11		(20 Marks)
			S		
3		Write short notes on:	<u>Module-2</u>		
c		a) Decision tree	7	v	
		b) SWOT Analysisc) Cost-Benefit Analysis		r -	
-		d) Value Engineering			(20 Marks)
		- La	OR	Er	
4		Explain the construction team. Desc		ember in the team.	(20 Marks)
		St.	N°	J.	
_			Module-3	6	
5	a.	Draw the network of a project whose	e activities and duration Activity Duration	i is given below:	
			1-2 3	-	
			1-3 4 1-4 14	-	
	2		$2 - 6 \qquad 5$	_	
0			$\begin{array}{c ccc} 3-4 & 3 \\ \hline 3-5 & 4 \end{array}$	-	
			3-5 4 3-6 6		
•			$\begin{array}{c ccc} 4-5 & 1 \\ 5-6 & 1 \\ \end{array}$	-	
	b.	Determine the earliest and latest star		」 ch activity.	
	c. d.	Find the critical path for the network Determine the Total float, free float		on oach activity	
	u.		and moependent noat h	or each activity.	(20 Marks)
		and the second s			
		1. 			
		Contra Co	1 of 2		
		\$ ×			
					×

OR

6 a. Draw the network for a construction project whose activities and three time estimates are given below:

Activity	to	tL	t _P	1
1 - 2	2	5	8	
2 - 3	8	11	20	
3 – 4	0	0	0	· ·
2 - 4	4	7	16	
2-5	4	9	20	
4 - 6	7	10	13 🍙	~
5 - 6	3	7	17	×
3 – 7	3	5	13	
$\frac{6-7}{7-8}$	2	3	10	
7 - 8	2	4 🔍	6	

Normal table values that can be used

Probability %
84.13
86.43
94.52
95.54

b. Find the critical path and its standard deviation.

- c. Probability of completing the project in 40 days.
- d. Time duration that will provide 95% probability of its completion in time. (20 Marks)

Module-4

- 7 Write short notes on:
 - a) Project updating and information required for updating the project (05 Marks)
 - b) Steps in the process of updating.
 - c) The updating cycle.

OR 🤇

8 a. What is quality control management?b. What are the factors affecting the quality of construction?

Module-5

- 9 Wrote short notes on :
 - a) Standard and special equipment
 - b) Parameters considered in selection of equipments
 - c) Economic life of an equipment
 - d) The necessity to mechanise.

(20 Marks)

(10 Marks)

(05 Marks)

(05 Marks)

(15 Marks)

OR

10 Describe and sketch any four equipments used in large scale construction.

(20 Marks)

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