2			1 Alianti and a second s	School of H
CBCS SCHEME				
US	N		*	Dangalore 18ARC82
	М		n. Degree Examination, Jun ds in Building Constru	•
Time: 4 hrs.			S.	Max. Marks: 100
	٨	Note: Answer any FIVE full quest	tions, choosing ONE full question fr	om each module.
· 1	a.	Explain prefabrication, its advan	Module-1 ntages and disadvantages	(10 Marks)
-	b.		sis between aluminium form work a	
		form work.	and the second se	(10 Marks)
2		Write short notes on box Caisson	OR and Coffer dam	(20 Marks)
_			in s and conter dam.	(20 Marks)
			Module-2	
3	a.	What is Data Silo and Cloud col		(10 Marks)
)	b.	what do you understand by the t	term simulation? Explain its benefits.	(10 Marks)
			OR	
4	a.	What is 3D printing and explain	its advantages.	(10 Marks)
	b.	What is BIM? Elaborate on the u	use of BIM in construction manageme	nt. (10 Marks)
-			Module-3	
5	a.	Explain Life Cycle Analysis.	<u>NIOUUIE-5</u>	(05 Marks)
	b.		assessed in a life cycle assessment.	(15 Marks)
6	0	Differentiate between repairs and	OR d rateofite	
0	а. b.	Explain two techniques for each		(10 Marks) (10 Marks)
			· · · · ·	(10 1/14/13)
_			Module-4	
7		what do you understand by GI points for GRIHA rating.	RIHA? Explain any three major con	
		points for OKITA facing.		(20 Marks)
1			OR	
8			g and Conserving energy to achiev	e a Net Zero Energy
		Building.		(20 Marks)
			Module-5	
9		Explain in detail any four smart r	materials and its application in the con	nstruction industry. (20 Marks)
				(20 Marks)
			OR	
10	1 11			
			* * * * *	(20 Marks)
			~ ~ ~ ~ ~	

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.