		school of Pres
	CBCS SCHEME	RARY Eluio
USN		15ARC72
	Seventh Semester B.Arch. Degree Examination, Feb./Mar. 2	
	Materials and Methods in Building Construction	- VII
Tin	V V7	Aarks: 100
	Note: 1. Answer any FIVE full questions, choosing ONE full question from each r 2. Assume suitable data/scale if required.	nodule.
	3. Draw neat sketches wherever necessary.	
	Module-1	
1	Write short notes on :	
	a) MDF Board b) Block Board	(05 Marks)
	c) Laminates	(05 Marks) (05 Marks)
	d) Particle Board	(05 Marks)
	OR	
2	Design a Wardrobe for a bedroom size of 3.6m × 4m. Provide following details :	
	a) Plan with furniture layout (1:20)b) Wardrobe section (1:20)	(05 Marks) (05 Marks)
	c) Wardrobe Elevation (1:20)	(05 Marks) (05 Marks)
	d) Any one detail (1:5)	(05 Marks)
	Module-2	
3	Explain with sketches :	
	a) Timber Partition b) Aluminum partition	(07 Marks) (07 Marks)
	c) Metal Baskets in modular kitchen.	(06 Marks)
4	OR Design modular kitchen for a room size of 3.6m × 3.6m. Provide following detail	s.
	a) Plan – 1 : 20	(05 Marks)
	b) Section -1 :20 c) Elevation -1 :20	(05 Marks) (05 Marks)
	d) Any one detail – 1 : 5	(05 Marks)
	Module-3	
5	a. Explain with sketches prestressed concrete.	(10 Marks)
	b. Explain in detail materials used in false ceiling.	(10 Marks)
	OR	
6	Design a Grid false ceiling for a room size of $4m \times 4m$.	
-	Provide following details :	(07 Marks)
	 a) Reflected ceiling plan -1:20 b) Section (Partial section) (1:10) 	(07 Marks) (07 Marks)
	c) Any one detail (1:5)	(06 Marks)
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	Module-4	
7	Design a raft foundation showing following details. a) Plan showing reinforcement details b) Section showing reinforcement details c) Any two detail OR	(07 Marks) (07 Marks) (06 Marks)
8	Explain with sketches : a) RCC cantilever Retaining wall b) Mechanically stabilized earth retainers walls c) Sheet piles d) Friction piles. <u>Module-5</u>	(05 Marks) (05 Marks) (05 Marks) (05 Marks)
9	Write short notes on : a) Treatment for Bamboos b) Bamboo joinery details c) Prefabricated construction	(07 Marks) (07 Marks) (06 Marks)
10	OR Draw following detail to suitable scale. a) Bamboo wall details b) Bamboo foundation details c) Bamboo roof details	(06 Marks) (07 Marks) (07 Marks)
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	c) Bamboo roof details	
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