JSN		* Bongalore *	18ARC42
	Fourth Semester B.Arch. Degr	ee Examination, Dec.2023/Jan.	2024
	Materials and Methods o	of Building Construction	– IV
Tin	me: 4 hrs.	Max. N	farks: 100
	Note: Answer any FIVE full questions, c	choosing ONE full question from each me	odule.
	M	odule-1	
1		nt. Detail of flat slab with column head t	to a span of (20 Marks)
	and the second se	OD CON	
2	Write the difference between conven	OR tion type of slab and flat slab. With re	inforcement
-	details wherever necessary.		(20 Marks)
		1997	
3		odule-2 filler slab using Terracotta pots as fillers.	(10 Marks)
	b. Write the criteria for filler material sele	ection.	(05 Marks)
	c. Advantages of filler slab.		(05 Marks)
		OR	
4	Draw plan, section and reinforcement.	Details of Waffle slab for a span of 10 m	×15 m. (20 Marks)
	Μ	odule-3	
5	Write different types of steel and ment		(20 Marks)
	21		(20 Marks)
		OR	
6	Draw a plan to suitable scale of a worder details.	orkshop with span of 20 m \times 12 m. Dra	w following
	(i) Plan showing column and beam	details.	(06 Marks)
	(ii) Draw beam to column connectio	n details.	(07 Marks)
	(iii) Draw column to footing connect	ion details.	(07 Marks)
	and the second sec		
7		lodule-4	
7	Draw plan, elevation and section with	two details of steel door of size $1.0 \text{ m} \times 2.1$	
			(20 Marks)
		OR	
8	Draw plan, elevation, section and any	two details of rolling shutter for a span of	3 m×2.5 m. (20 Marks)
		lodule-5	
9	Explain types, properties, uses and material.	manufacturing process of aluminium as	s a building (20 Marks)
		OR	
10	Draw plan, section, elevation and any	two details of aluminium door.	(20 Marks)

CBCS SCHEME

Actor

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