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Pages

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Reg No.:

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSI FOURTH SEMESTER B. TECH DEGREE EXAMINATION, DECKIMBER 2

Course Code: CE204

Course Name: CONSTRUCTION TECHNOLOGY (C

Max. Marks: 100

PART A

Answer any two full questions. Each question carries 15 marks.

1	a)	What are the different market forms of timber used in construction industry?	6
	b)		9
2	a)	What is mortar? Explain the different types of mortars used in civil constructions.	9
	b)	What is meant by curing of concrete? Discuss the different methods of curing of	
		concrete.	U
3	a)	Explain the different market forms of steel with neat sketches. Where they are	6
		used?	U
	b)	Write the steps involved in BIS method of concrete mix design.	9
		PART B	
		Answer any two full questions. Each question carries 15 marks.	
4	a)	Enumerate in detail the preliminary considerations in the selection of foundations.	5
	b)	What is an arch? What are the different types of arches?	5
	c)	Write a note on the different types of roofs used in buildings.	5
5	a)	Explain different types of stone masonry with neat sketches	9
	b)	What is DPC? Explain the different methods of providing DPC to a residential	6
		building.	
6	a)	Explain, with neat sketches a) Filler slab b) Rat Trap bond masonry	8
	b)	List the various types of flooring materials and the criteria for their choice.	7
		Explain the construction of Timber Floor.	
		PART C Answer any two full questions. Each question carries 20 marks	
7	a)	What are the advantages and disadvantages of tall buildings?	6

b) What are the different modes for vertical transportation? Explain the components 9 of an escalator with neat sketch.

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SZ.	(c)	What are different types of failures of a building? List out the general reasons fo	or 5
	(a building collapse. THU TADIDO TOMOTOTOTA A A A A A A A A A A A A A A A A	
8			6
	b)	List out the different types of stairs used in buildings, with neat sketches.	6
	c)	What are the causes of failure in RCC structures? Explain with neat sketches	8
9	a)	Explain the advantages of precast concrete construction.	6
	b)	What are the methods of Retrofitting of RCC beams?	8
	c)	What are the causes of foundation failures?	6
		When some the defilition market formes of further used in construction industry?	
		We to be extended by data the properties and teens of admixtures in concrete.	
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	è.	 the advantages and disadversages of tall buildings? 	
	Q . 4	Was to the defense modes for vertical transportation? Explain the components	
	Y	of an esuplator with near skotob.	2

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