

Assume any other data suitably.

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

(20 Marks)



17CV/CT44

OR	

8 With the help of the following data, design M30 grade concrete :

a.

Design stipulations :						
i)	Characteristics compressive strength at 28 day	=	30MPA			
ii)	Maximum size of aggregate	=	20mm			
iii)	Degree of workability	=	Slump (75mm)			
iv)	Degree of quality control	=	good			
v)	Type of exposure	=	severe			

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b.	Test	t data for materials :			
	i)	Specific gravity of cement	Ш	3.15	0
	ii)	Specific gravity of coarse aggregate	=	2.64	
	iii)	Specific gravity of fine aggregate	=	2.61	
	iv)	Water absorption of coarse aggregate	=	0.5%	
	v)	Water absorption of fine aggregate	=	1.0%	
	vi)	Grading of fine aggregate	=	zone 02	

Any missing data may be suitably assumed.

<u>Module-5</u>

9 a. Explain the advantages and disadvantages of RMC.b. Explain the properties of SCC.

OR

10 a. What is Light weight concrete? State its advantages.b. Write a note on Fiber Reinforced Concrete.

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(20 Marks)

(10 Marks) (10 Marks)

(10 Marks) (10 Marks)