		GUNUF	UK - 702	0022						
Registration No:									M.TECH	
Total Number of Pages	• 1					1		J		
M.TECH 1 ^S	T SEMESTER	REGULA	R EXA	MINA'	TION	S. DI	ECEM	BER 2018	}	
WHILE CHI	ADVANCE							DER ZUIC	•	
		: SE, Subje								
	2100101		ations 20							
Time: 3 Hours	Max Marks : 70 PART-A (10 X 2=20 Marks)					Qı	Question Code:RD18002077			
						-				
1. Answer the following	g questions.									
a. What are the adv			of lighty	weight	concr	ete?				
b. What do you mea		ger effect?								
c. Define rheology										
d. How can you avo					_					
e. State the role of a				prepa	ration	•				
f. What is the advan		•								
g. What is the effec	-		ncrete?							
h. Justify the use of										
i. Distinguish betw	-		-							
j. State the differen	t types of mater	rial used for	r prepara	ition of	Ferro	ceme	ent.			
	PAR	Г-В (5 Х 10	0=50 Ma	arks)						
	Answer any fi	,		,	owing					
2.a. What do you mean by non-destructive method of concrete?							[5]			
b. Explain various methods of non-destructive tests?								[5]		
3.a. How concreting is done in extreme weather conditions? Discuss in detail.							[5]			
b. Describe the mechanical & deformational behavior and microstructure of hardened concrete.								[5]		
4.a. Explain about the various fiber reinforced plastic in sandwich panels.								[5]		
b. What are the reasons for	or corrosion of co	oncrete and h	now does	it affec	t the d	urabili	ty?		[5]	
5 XX 1 1 1	1 1 6	. 0.3371						.1 1.11	•,	
5.a. What do you mean by of concrete mix?	rheology of cond	crete? What a	are varioi	ıs parar	neters	to dete	ermine	the suitabili	ity [5]	
b.Explain quality contro	1 measures for co	oncrete throu	igh inchea	rtion an	d testi	na?				
o.Explain quanty contro	i incasures for ec	merete tinou	ign mspec	ction an	ia icsii	ng.			[5]	
6.a.Explain various factors	to control the cr	reen and shri	nkage bel	havior o	of cond	erete				
b. What do you mean by		_	_						5.53	
in the second of			10 411						[5]	
7.a. What are the reasons for	or corrosion of co	oncrete and h	now does	it affec	t the di	urabili	ty.		[5]	
b. What precautions need							•		[<i>E</i>]	
-									[5]	
8 Write short notes on									[5]	

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[5] [5]

a. High strength concrete b. Ferro cement