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SET - 1

II B. Tech II Semester Supplementary Examinations, November - 2018 CONCRETE TECHNNOLOGY (Civil Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (Part-A and Part-B)

2. Answer ALL the question in Part-A

3. Answer any **THREE** Questions from **Part-B**

PART -A

1.	a)	What are the different physical tests of cement?	4M
	b)	What is effect of time and temperature on workability?	4M
	c)	What are the codal provisions of NDT?	4M
	d)	Define modulus of elasticity of concrete.	3M
	e)	What is the quality of water used for concrete?	3M
	f)	Write about no-fines concrete.	4M
		PART -B	.2.2
2.	a)	Write about alkali aggregate reaction.	8M
	b)	Write about mineral admixture and chemical admixtures.	8M
3.	a)	Write the stars in the manufacture of	10 M
٥.	b)	Write the steps in the manufacture of concrete. Write about ready mixed concrete.	6M
	0)	write about ready infact concine.	
4.	a)	Write the relation between compression and tensile strength.	10M
	b)	What is gel-space ratio?	6M
5.	a)	What are the different steps in the BIS method of mix design?	12M
	b)	What is water cement ratio?	4M
6.	0)		4M
0.	a)	Define shrinkage	
	b)	What are the different types of shrinkage?	12M
7.	a)	Write about fibre reinforced concrete.	8M
	b)	What are the factors affecting the properties of FRC?	8M

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