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B.E. (IVth Sem.) (CGPA) Civil Engg. Examination-2016 CONCRETE TECHNOLOGY

Paper - CE - 401

Time Allowed: Three Hours
Maximum Marks: 60

Note: Attempt all questions.

All questions carry equal marks.

Q.I Explain the various types of cement with their specific uses.

OR

Describe the classification of concrete with their advantages & disadvantages. 12

Q.II Describe the term workability of concrete. Explain slump conc method of measuring the workability of concrete in detail.

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OR

Explain:

- (i) Stress-strain characteristics of concrete. 4
- (ii) Factors affecting rheology of concrete 4
- (iii) Thermal properties of concrete. 4

Q.III	Mention the various methods of concrete mix Explain any one of them in detail.				design.	
			OR			
		e a detailed rete mix.	note on compu	uter aided des	ign of 12	
Q.IV	What are the effects of hot weather on concreting? Describe in brief. 12					
			OR			
	Expla	ain:				
	(a)	Non-destr	ructive testing o	of concrete	6	
	(b)	Concretin	gunderwater		6	
Q.V	Write short notes on:					
	(a)	Light weig	ht concrete		4	
	(b)	Vacuum c	oncrete		4	
	(c) *	Prestresse	ed concrete		4	
			OR			
	Explain:					
	(a)	Ready mix	concrete		4	
	(b)	Shot crete			4	
	(c)	Mass conc	crete		Λ	