Total No. of printed pages = 2

CT-502/Concrete Tech/5th Sem/2014/N

CONCRETE TECHNOLOGY

Full Marks - 70

Pass Marks - 28

Time - Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

1.	Elaborate:		14
	(a) Heat of hydration		
	(b) Sulphate attack		
	(c) Soundness of aggregate		
	(d) Bleeding and segregation.		
2.	Discuss classification of aggregates Briefly explain each of them.	in	detail.

- 3. (a) Name and explain some important OPC based cement.
 - (b) Explain the parameters those define the characteristics of aggregates. 7

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- 4. (a) Define workability. What are the generally used tests for workability?
 - (b) Define grading of aggregates. Make a well defined explanation.
- 5. (a) What are the main components of Portland cement? Explain the basic properties of these compounds.
 - (b) Discuss physical properties of Portland cement.
- 6. (a) Discuss production of concrete. What are the phases those complete the production of concrete?
 - (b) What are the advantages and disadvantages of concrete? Define quality control in concrete.

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