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Roll No

MVSE-203**M.E./M.Tech., II Semester**

Examination, June 2017

Advance Concrete Technology**Time : Three Hours****Maximum Marks : 70**

- Note :** i) Attempt any five questions.
 ii) Each question carry equal marks.
 iii) Assume missing data suitably.

1. Why concrete is compacted? What are the various methods of compaction of concrete? Why revibration/recompaction is required? Discuss in detail.
2. a) What do you understand by corrosion resistance of concrete? Explain in detail.
 b) Explain in detail various methods of curing of concrete.
3. How does target mean strength of concrete of given characteristics strength is determined? Explain in detail.
4. a) Write short notes on creep behaviour of concrete.
 b) What are the various function of admixtures? How admixtures are classified?
5. How light weight concrete is produced? What are the special materials used to produced light weight concrete?

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6. What are the qualities possessed by high performance concrete? What types of aggregate are used in production of high performance concrete? What are its applications?
7. Mention step by step procedure for design of concrete-mix using I.S. code method.
8. a) What do you understand by Fiber reinforced concrete? Write down the preparation and application of fiber reinforced concrete.
 b) What are the various types of non destructive testing of cement? Explain any one test in detail.

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