

Roll No

MVCT/MBCT/MVCP - 104

M.E./M.Tech. I Semester

Examination, December 2014

Construction Technology

Time : Three Hours

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Maximum Marks : 70

- Note :** i) Solve any five questions.
ii) All questions carry equal marks.
iii) Data missing and found necessary may be suitable assumed.

1. Explain the Advanced pavement construction techniques.
2. a) Describe the functions of different components of a hot mix asphalt plant.
b) Discuss various qualities of a good formwork.
3. a) Discuss the various precautions required in removing the formwork.
b) Discuss shoring and describe various types of shores.
4. a) Discuss various losses of prestressed concrete.
b) Discuss the various steps adopted for the design of prestressed water tank.
5. a) Explain the construction procedure of off-shore platform.
b) Explain how formwork is arranged in case of tall buildings.

6. a) Write a detailed note on High Strength Steel Bolt.
b) Describe the Erection procedure of factory shed.
7. Explain the various types of trench less technologies.
8. Write short notes on any four
 - a) Fibre reinforced pavement
 - b) In situ construction techniques
 - c) Joints in rigid pavement
 - d) High rise buildings
 - e) Laying heavy pipe lines
 - f) Advanced Compacting Equipments

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