

Roll No .....

**MVCT/MBCT/MVCP - 104****M.E./M.Tech. I Semester**

Examination, June 2016

**Construction Technology***Time : Three Hours**Maximum Marks : 70*

- Note :** i) Answer any five questions.  
ii) All questions carry equal marks.

1. Explain any advanced technique of concrete road construction. 14
2. a) What is HOT Mix plant? Explain its working. 7  
b) Explain various special features of in situ construction. 7
3. a) Describe briefly various form work techniques. 7  
b) What precautions are taken during removal of form work? 7
4. Explain the following :  
a) Different connections in steel construction. 7  
b) Clearance and tolerance. 7
5. a) Explain the erection procedure of chimney. 7  
b) What are the various techniques of prestressing? Explain any one in detail. 7

6. Explain in detail the procedure of rustressing of bridge girder. 14
7. a) What are the safety measures taken during construction of high rise buildings. 7  
b) What are the various techniques of tunnelling? Explain any one in detail. 7
8. Write short notes one any three of the following : 14  
a) Low cost road construction techniques  
b) Form works for towers  
c) High strength bolts  
d) Prestressed concrete  
e) Construction techniques of off shore plat forms

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