

Roll No ..

MVCT/MBCT/MVCP-104

M.E./M.Tech., I Semester

Examination, November 2018

Construction Technology

Time : Three Hours

Maximum Marks : 70

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

1. Explain about following
 - a) Low cost road construction 4
 - b) Fiber reinforced pavement construction 4
 - c) Concrete road construction 3
 - d) Bitumen road construction 3
2. a) Discuss the functions of different components of a hot mix asphalt plant. 7
b) Discuss various qualities of a good form work. 7
3. a) Discuss various precautions required in removing the formwork. 7
b) Discuss shoring and describe various types of shores. 7
4. a) Discuss various losses of prestressed concrete. 7
b) Discuss various steps adopted for the design of prestressed water tank. 7

5. a) What are the advantages and disadvantages of shop and in-situ steel construction? 7
b) Explain erection process of truss. 7
6. a) Describe the construction process of high rise building. 7
b) Explain importance of clearances and tolerances. 7
7. a) Discuss various safety measures adopted in construction work. 7
b) Discuss some advanced techniques used in construction of dam. 7
8. a) Write detailed notes on high strength steel bolts. 7
b) Write short notes on : 7
 - i) Laying heavy pipe lines
 - ii) Advanced compacting equipments
