

Roll No

MVCT/MBCT/MVCP - 104

M.E./M.Tech. I Semester

Examination, December 2015

Construction Technology

Time : Three Hours

Maximum Marks : 70

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

1. What are the materials required, plants and equipment and construction steps for the following methods of bituminous constructions:
 - a) Penetration macadam
 - b) Bituminous concrete
2. Discuss in detail the construction of cement concrete road.
3.
 - a) Discuss special features of in situ-construction.
 - b) Discuss form work for the construction of bridges.
4. Discuss in detail erection of steel bridges.
5. Discuss in detail fabrication of steel trusses using welding.

6. Discuss the method adopted for prestressing of bridge girders.
7. Discuss in detail construction techniques used in construction bridges.
8. Write short notes on any four of the following:
 - a) Fibre reinforced pavement construction
 - b) Stripping time of form works
 - c) High strength bolts
 - d) Pre and post tensioning systems
 - e) Safety measures during construction of high rise buildings
