

6. Explain design of joints to transfer axial forces moments and shear forces. 14
7. Describe following 14
- V plate system
 - Lift slab systems
8. Write short notes on following (any four) 14
- Modular grid
 - Failure of precast constructions
 - Horizontal transportations equipments
 - Vertical transportations equipments
 - Planning and design module

MVCT/MBCT/MVCP - 202**M.E./M.Tech., II Semester**

Examination, June 2014

Prefabrication Design And Its Construction Tech.**Time : Three Hours****Maximum Marks : 70****Note :** i) Answer any five questions.

ii) All questions carry equal marks.

- Name different mass produced prefabricator of steel reinforced concrete, and masonry and describe one from each in details. 14
- Describe following
 - Limitations of precast construction in India. 5
 - Modular coordination as per NBC of India. 5
 - Standardization and its necessity. 4
- Describe plant layout, machines and mould used for precast roofing and wall elements. 14
- Describe lift points and explain design of a member with two and three lift points. 14
- Describe tolerances and deviations and their permissible values for precast components. 14