

DEPARTMENT OF CIVIL ENGINEERING: I.I.T.DELHI

CEL466 CONSTRUCTION EQUIPMENTS &METHODS

Time: 2 hours

M A J O R T E S T

Maximum Marks: 40

1030 to 1230

III339

03.05.2008

- Q. 1 Explain the features of Steel Fabrication and connections with sketches.
- Q. 2 Explain the details of Fire Test conducted on beam samples, its test set up and conclude which type of configuration gives maximum fire resistance time. Provide temperature rise versus time graph. Also give cross section sketch of the beam with reinforcement placement.
- Q. 3 Explain in detail the construction process of various types of Prestressing of concrete members with sketches.
- Q. 4 Explain in detail the environmental considerations under which concrete in marine environment is subjected to perform.

OR

- Q. 4 What are the different kinds of concrete which are used in Marine constructions. Give detail of each one of them.

Marks: All Questions are of 10 marks each