

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

**CEL466 CONSTRUCTION EQUIPMENTS &METHODS**

Time: 2 hours  
1030 to 1230

**M A J O R T E S T**  
**III339**

Maximum Marks: 40  
09.05.2007

- Q. 1 Explain the selection of Form Work systems and state the factors affecting the Deshuttering process.
- Q. 2 Explain the details of Fire Test conducted on beam samples and conclude which type of configuration gives maximum fire resistance time. Provide temperature rise versus time graph.
- 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.

Marks: All Questions are of 10 marks each

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