

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 00136

Roll  
No.

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**B. Arch. Examination 2021-22**

**(Even Semester)**

**CONSTRUCTION AND MATERIALS - VIII**

***Time : Three Hours***

***[Maximum Marks : 50]***

**Note :-** (i) Attempt any four questions.

(ii) Question No. 1 is compulsory.

(iii) Assume any missing data.

1. Design a pre-stressed concrete floor structure to span a space of size 35.0 m × 70 m × 6.0 m at intermediate floor. Explain your scheme with help of relevant plans, sections, details and views. 20

2. Differentiate between pre-cast and cast in site reinforced concrete floor systems. Illustrate any one type of cast in situ reinforced concrete floor system for long span structures. 10

***[P. T. O.]***