

No. of Printed Pages : 03

Roll No.

CC-664

M.C.R.M./M.Tech.

EXAMINATION, Dec. 2018

(Third Semester)

(Main & Re-appear)

CONSTRUCTION AND REAL ESTATE
MANAGEMENT

MCRM709

Advanced Building Materials

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. Make relevant sketches wherever necessary. Neatness carries due weightage.

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P.T.O.

Unit I

1. (a) What do you mean by Fibre Reinforced Concrete ? 5
- (b) Explain the properties of freshly mixed FRC. 5
- (c) Supporting your answer with relevant examples. Explain the applications of fibre reinforced concrete. 5
2. (a) What do you mean by high weight concrete ? 7
- (b) Give a brief account of applications of high weight concrete. 8

Unit II

3. (a) What do you mean by high performance concrete ? 7
- (b) Explain about durability and properties of high performance concrete. 8
4. Explain the process of corrosion of concrete in various environments. 15

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Unit III

5. Write short notes on the following :
 - (a) Polymer modified concrete 7
 - (b) Structural elastomeric bearings. 8
6. Explain in brief the following items :
 - (a) Fibre reinforced plastic in sandwich panels 7
 - (b) Polymer impregnated concrete. 8

Unit IV

7. Explain with the help of examples the applications of ferrocement, highlighting its properties. 15
8. (a) Explain the classifications of Indian fly ashes. 7
- (b) Explain with examples how the industrial waste materials being used in concrete. 8

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