

No. of Printed Pages : 3

Roll No.

18BB2265

M. Tech. EXAMINATION, May 2019

(Second Semester)

(C. Scheme) (Main Only)

(Construction and Real Estate Management)

MCRW610C

ADVANCED CONSTRUCTION TECHNOLOGY

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. All questions carry equal marks. Make neat and clean sketches.

(4-22/4) M-18BB2265

P.T.O.

Unit I

1. Explain in detail the planning and design consideration of foundation systems for multi-storied buildings.
2. Write short note on basement water proofing techniques with sketches.

Unit II

3. Explain the principles of concrete mix design as prescribed by BIS.
4. Write short note on contemporary formwork systems for faster construction. Also explain their merits and demerits over conventional formwork systems.

Unit III

5. Write short note on pre-stressed concrete. Also explain its merits and demerits.
6. What is Pre-fabrication ? Write short note on pre-fabricated structure. Also explain its merits and demerits.

Unit IV

7. Take an example of steel structure and explain the various stages of its creation.
8. Explain the various planning and design considerations to be undertaken for steel structures.