

Registration No.:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 02

Course: B.Tech
Sub_Code: RCI4D001

4th Semester Back Examination: 2024-25

SUBJECT: Construction Technology

BRANCH(S): Civil

Time: 3 Hours

Max Marks: 100

Q.Code: S242

Answer Question No.1 (Part-I) which is compulsory, any eight from Part-II and any two from Part-III.

The figures in the right hand margin indicate marks.

Part-I

Q1 Answer the following questions: (2 x 10)

- a) Define construction estimating.
- b) Write use of Site layout.
- c) State two applications of prestressed concrete.
- d) Define self-compacting concrete.
- e) Name two types of flooring.
- f) Define scaffolding.
- g) Mention two applications of crane.
- h) Write the Importance of safety Regulations.
- i) State the components of the report on maintenance work.
- j) State two different types of materials used Damp proof course (DPC).

Part-II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- a) Write short note on construction schedule.
- b) Distinguish between falsework and temporary work with examples.
- c) Elaborately discuss about the different Antitermite measures to be taken during construction.
- d) Classify soils as per Indian standards.
- e) State different measures taken for ground water control during construction.
- f) Distinguish between lightweight and heavyweight concrete.
- g) Write short note on non-destructive testing of hardened concrete.
- h) State the various uses of bulldozers.
- i) Write about the purpose of pointing in building construction.
- j) Explain about the Post-accident procedures.
- k) Elaborate in detail about the Uses of admixtures.
- l) Write short note on various types of plastering.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

(16 x 2)

- Q3** Describe with neat sketches about various components and their functions of a building. **(16)**
- Q4** Provide a detailed classification of piles with neat sketches. **(16)**
- Q5** Summarize in detail about Purpose, need, importance of Building Maintenance. **(16)**
- Q6** Describe in detail about cast-in-situ reinforced concrete roofs, precast reinforced concrete roofs, roofs covered with sheets. **(16)**