

S. B. Roll. No.....

CONSTRUCTION MATERIAL
2nd Exam/Civil/4518/Nov'24
(For 2023 Batch Onwards)

Duration: 3Hrs.

M.Marks:50

SECTION-A

Q1. Do as directed any nine of the following.

9x1=9

- a. Marble is a _____ rock.
- b. The standard size of brick is _____
- c. Alumina is added to control the initial setting time of cement. (T/F)
- d. The initial setting time of ordinary Portland cement (OPC) should not be less than _____
- e. Due to attack of dry rot, timber _____
- f. The wood used for buildings or other engineering structures is called timber. (T/F)
- g. Aluminium is good conductor of heat and electricity. (T/F)
- h. The carbon content in wrought iron varies from _____
- i. Termites are generally known as _____
- j. Annular rings represent _____ of tree.
- k. Cement is greenish grey in colour. (T/F)
- l. _____ bricks are required for one cubic metre of masonry.

SECTION-B

Q2. Attempt any five questions.

5x4=20

- i. Discuss the geological classification of rocks.
- ii. Write any five requirements of good brick earth.
- iii. What are the properties of Portland pozzolana cement?
- iv. What are the characteristics of a good building timber?
- v. Give the uses of mild steel.
- vi. What are the various uses of stones?
- vii. Compare cast iron, mild steel & aluminium.

SECTION-C

Q3. Attempt any three questions.

3x7=21

- a. Write a short note on Paver blocks & describe its manufacturing & advantages.
- b. Explain the natural defects in timber with neat sketches.
- c. Differentiate between POP & PVC Wall Panelling and also write its uses.
- d. Describe Fibre sheets in Roofing & write its uses.
- e. Differentiate between Ceramic Tiles & Terrazo Tiles and also write its properties & uses.

