

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 4th)
BUILDING CONSTRUCTION
SUBJECT CODE : CE - 206
Paper ID : [A0608]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

Section - A

Q1)

(10 × 2 = 20)

- a) How are stone masonry classified?
- b) What is a Closer? What is its use?
- c) Sketch a zigzag bond.
- d) What is meant by the term 'Lintel'? What are different types?
- e) What are the causes of dampness in buildings?
- f) Differentiate between plastering and painting.
- g) Sketch Couple roof.
- h) What are shell roofs?
- i) Distinguish between white washing and distempering.
- j) What is meant by an expansion joint?

Section - B

(4 × 5 = 20)

Q2) Briefly describe the construction of walls with Ashlar fine Masonry.

Q3) Explain the procedure of centering of arches.

Q4) Explain the terms:

- (a) Orientation of buildings.
- (b) Construction joints.

Q5) Describe methods of damp prevention along parapets.

Q6) How do you proceed to paint a plastered surface? Explain the steps.

Section - C

(2 × 10 = 20)

Q7) What are the advantageous and disadvantageous of cavity wall construction? Draw a section through an external cavity wall of a building showing the details.

Q8) A two storyed bungalow with open verandah and flat roof is to be constructed in Punjab. Briefly describe the type of foundation and superstructure you will propose for the building. How do you decide the thickness of walls?

Q9) Write short notes on:

- (a) Fire Proof Construction methods.
- (b) Building Bye-laws.

