

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- Frog in bricks
- Sketch of sloped Isolated footing
- Purpose of non-load bearing walls
- Depth of arch
- North light roof
- Casement window
- Purpose of plastering
- Girders in floors
- Objectives in Orientation of building
- Methods of sound insulation

SECTION-B

- What factors would you consider while deciding
 - Post office
 - Hotel building
- What is meant by reinforced brick work? Write disadvantages of English bond over Flemish Bond.
- How will you prevent dampness for (i) Basement
- What is pointing? Name the different types of pointing.
- Draw a sectional elevation of a queen post truss 12m. Name the different parts.

SECTION-C

- A 30cm thick brick wall carries a load of 250kN/m. The angle of repose of soil is 30° and density is 18 kN/m^3 . Determine the width and depth of concrete block below masonry footing.
- What types of doors would you suggest for :
 - Bath room
 - Cinema Hall
 - Dining room and why? Draw their line diagram.
- What is purpose of following in construction of floor
 - Under layer
 - Base course
 - Sand filling?
 Draw a sketch of cement concrete floor.