

“Please check whether you have got the right question paper.”

**N.B**

- i) Q.No.1 and Q.No.6 are compulsory.
- ii) Solve any two questions from remaining from section A and one question from remaining from section B.
- iii) Use spate drawing sheet for solving Q.No.6 of section B.

## SECTION-A

- Q.1 Attempt any five out of seven. 10
- a) What is the thickness of partition wall?
  - b) What is the difference between footing for walls and footings for column?
  - c) What are the benefits of cavity wall construction?
  - d) Enlist the factors affecting the acoustical design of an audition.
  - e) What are different types of stair? List at.
  - f) Enlist the safety gear which is essential for working on a construction site.
  - g) What is the purpose of shoring?
- Q.2 a) Discuss the pants observed during planning and construction of a building for fire proof constructions. 07
- b) Classify buildings as per national building code -2005? Explain any two buildings in detail. 08
- Q.3 a) What do you understand by setting out of foundations? Explain with neat sketches. 08
- b) Discuss any two principle of Building planning with neat sketches. 07
- Q.4 a) Explain with neat sketches partition walls, Its type, and its material and construction procedure. 08
- b) Discuss with suitable example, how building bye laws affect the planning of a residential building 07
- Q.5 a) Draw a template of submission drawing showing all the details required along with construction notes and area statements. 07
- b) Explain underpinning in detail along with sketches. 08
- SECTION -B
- Q.6 A retired govt. sewant wants to construct a house on 10m×14m land. It is required to have 30% of space in front for gardening .the family consist of a father, a mother, a married son and an unmarried daughter. Provide side margin = 1.0m and back margin = 1.20m. Develop the working drawing [plan, section through stew and elevation] in the scale of 1:50 for above family. Provide schedule of opening and construction notes also. 25
- Q.7 a) Design a dog-legged staircase for a residential building having floor to floor height of 3.25m. draw a neat sketch explaining different components 08
- b) Write a short note on shoring. 07
- Q.8 a) What is Plinth? What is its necessity? Explain with neat sketch, the components of a Plinth in a building. 08
- b) Write a short on wall cladding. 07