

Total No. of Questions : 4]

SEAT No. :

P-5375

[Total No. of Pages : 2

[6186]-501

S.E. (Civil) (Insem.)

**BUILDING TECHNOLOGY AND ARCHITECTURAL  
PLANNING**

**(2019 Pattern) (Semester - III) (201001)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Answer Q1 or Q2, Q3 or Q4.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Neat figures must be drawn wherever necessary.*
- 4) *Assume Suitable data if necessary.*

**Q1) a)** Classify the buildings as per NBC. Briefly explain any one. [5]

b) Explain the characteristics of good bricks to be used in construction activity. [5]

c) What are advantages of hollow concrete blocks? [5]

OR

**Q2) a)** Enlist types of bonds in brick masonry. Explain Flemish Bond with neat sketch. [5]

b) Explain in details ideal requirements of formwork. [5]

c) Write a short note on Slip formwork. [5]

**Q3) a)** Write a short note on Necessity of Building Bye Laws. [5]

b) List out the principles of Architectural Planning. And explain Form follows Function. [5]

c) Enlist elements of Perspective Drawing. Explain any three in short. [5]

OR

*P.T.O.*

- Q4)** a) Explain Building line and control line with neat sketch. [5]
- b) List out the principles of Building Planning. And any two. [5]
- c) A plot owner proposed G+1 construction of 175 m<sup>2</sup> construction of on each floor on a plot 15 m × 20 m. Consider all the side margin of 2 m. Allowed FSI is 1. Find [5]
- Ground coverage
  - FSI utilized
  - Whether plan will be sanctioned or not.
  - If No. Then by how much amount area will be required to be reduced so that plan will get sanctioned.

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