

Total No. of Questions : 4]

SEAT No. :

PE-528

[Total No. of Pages : 2

[6578]-1

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 Q.1 or Q.2, Q.3 or Q.4.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat figures must be drawn wherever necessary.*
- 4) *Assume suitable data if required.*

- Q1)** a) Explain the characteristics of good building bricks. [5]  
b) What is Masonry? Explain any two types of it. [5]  
c) Explain casting procedure for reinforced concrete columns. [5]

OR

- Q2)** a) What is Underpinning. Enlist different methods of underpinning & Explain any one in brief. [5]  
b) Write short note on: Slip form work. [5]  
c) List out types of building as per National Building Code. [5]

- Q3)** a) What is building bye-laws? Explain the necessity of bye-laws. [5]  
b) Distinguish between: [5]  
i) Grouping vs Privacy  
ii) Roominess vs Circulation  
c) Define any two terms from following: [5]  
i) Picture plane  
ii) Vanishing Point  
iii) Building Line

OR

**P.T.O.**

- Q4) a) Explain shortly following Architectural principals. [5]**
- i) Accentuation
  - ii) Rhythm
- b) Distinguish between: [5]**
- i) Building Planning Principles and Building bye laws
  - ii) Built up area vs carpet area
- c) Write a short note on necessity of Abbreviations & Perspective drawing. [5]**

