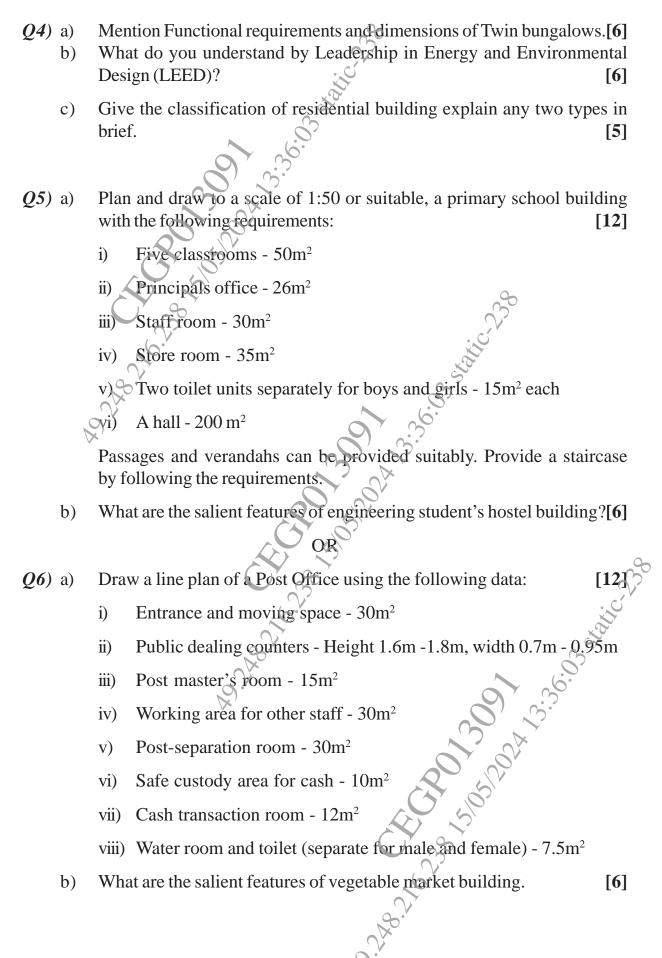
Tota	l No	o. of Questions : 8] SEAT No. :
PB	360	01 [6261]-6 [Total No. of Pages : 3
		S.E. (Civil Engineering)
BU	ILI	DING TECHNOLOGY AND ARCHITECTURAL PLANNING
		(2019 Pattern) (Semester - III) (201001)
m·	21	
		[Max. Marks: 70 ions to the candidates:
	<i>ucu</i> 1)	Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
	2)	Figures to the right indicate full marks.
	<i>3</i> )	Draw neat figures wherever necessary.
	<i>4</i> )	Assume necessary data.
	<i>5</i> )	Use of scientific calculator is allowed.
Q1)	a)	Draw a neat labeled sketch of semicircular-arch and show: [6]
		i) Key stone
		ii) Crown
		Springing line
	b)	State the types of flat terraced rooting and explain any one of them. [6]
	c)	Explain swing door with the help of a sketch. [6]
		OR
<b>Q2</b> )	a)	Enlist various types of fixtures for doors and explain anyone with a neat
		sketch. [6]
	b)	Enlist any four types of floor finishes and explain mosaic flooring. [6]
	c)	Explain in brief, the following: [6]
		i) Timber Linter
		ii) Stone lintel
		9.
Q3)	a)	Enlist various types of residential buildings and explain any one in detail.
		[5]
	b)	Draw to a suitable scale developed plan of a single storey framed residential
		building with the following units-Living room- 35 × 52 bedroom-

building with the following units-Living room-  $3.5 \times 5.2$ , bedroom-  $3.0 \times 3.0$ , Kitchen- $3.2 \times 3.0$ , W.C -  $1.0 \times 1.2$ , Bath  $1.2 \times 2.1$ , Staircase: Rise = 0.16m & Tread = 0.27m, Width of each flight = 1.2m, Wall thickness 0.23 m (outer) & 0.15m (inner), Floor height 3.2m.

Room sizes are in 'm'. [12]

OR



<b>Q</b> 7)	a)	What is TDR in construction? How does it work? Write a short no land use zoning and mention the requirements of each.	te on [6]
	b)	What is fire escape and explain fire escape elements?	[6]
	c)	Elaborate need for earthquake resistant structures in relation with-lo human life; property and infrastructure.  OR	oss of [5]
<b>Q</b> 8)	a)	What is reverberation time and how is it calculated?	[6]
	b)	Explain in detail Concept of TDR, List of documents to be submitt local authority?	ted to <b>[6]</b>
	c)	What is fire escape and explain any one fire escape elements?	[5]
		What is the escape and explain any one fire escape elements?  The state of the stat	
[626	61]-6	3	