Seat	
No.	

[5352]-107

S.E. (Civil) (II Sem.) EXAMINATION, 2018 ARCHITECTURAL PLANNING & DESIGN OF BUILDING (2012 PATTERN)

	(2012 IAIIDIM)
Time: 7	Two Hours Maximum Marks : 50
<i>N.B.</i> :—	(1) Assume suitable data, if required.
	(ii) Figures to the right indicate full marks.
	(iii) Solve Q. No. 1 or Q. No. 2 and Q. No. 3 or Q. No. 4
	in answer-book.
	(iv) Solve Q. No. 5 or Q. No. 6 , Q. No. 7 or Q. No. 8
	on Drawing Sheet only.
Q 1 A)	Enlist the documents to be submitted for seeking Commencement Certificate and list out the terms on 7/12 abstract. (7)
B)	Explain the following principles of architectural planning with suitable sketches: i) Privacy, ii) Roominess (6)
	OR
Q2 A)	Elaborate the term, 'Land use zoning' & mention the requirements of (6) each of them. (Minimum 4 zones)
B)	Elaborate need for earthquake resistant structures in relation with closs of human life; property and infrastructure. (7)
Q3 A)	The internal dimensions of a factory building are 30 m x 20 m x 10 m. The number of air changes required per hour are 6, the indoor temperature is 36°C and outdoor temperature is 30°C. Find the area of openings required, if the distance between the inlet and outlet openings is 6 m.
B) .	Differentiate between building line & control line by drawing a suitable (6) sketch.

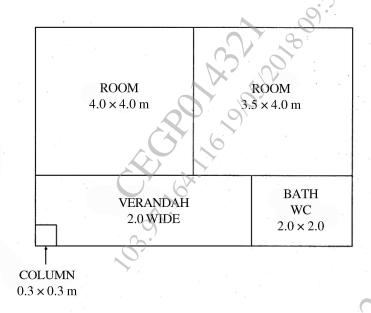
Q4 A) What are Acoustic Defects? Explain the need of rectifying the same in relation with auditorium. (6)

B) Explain the following terms:

(6)

i) SP ii) VPL iii) PP

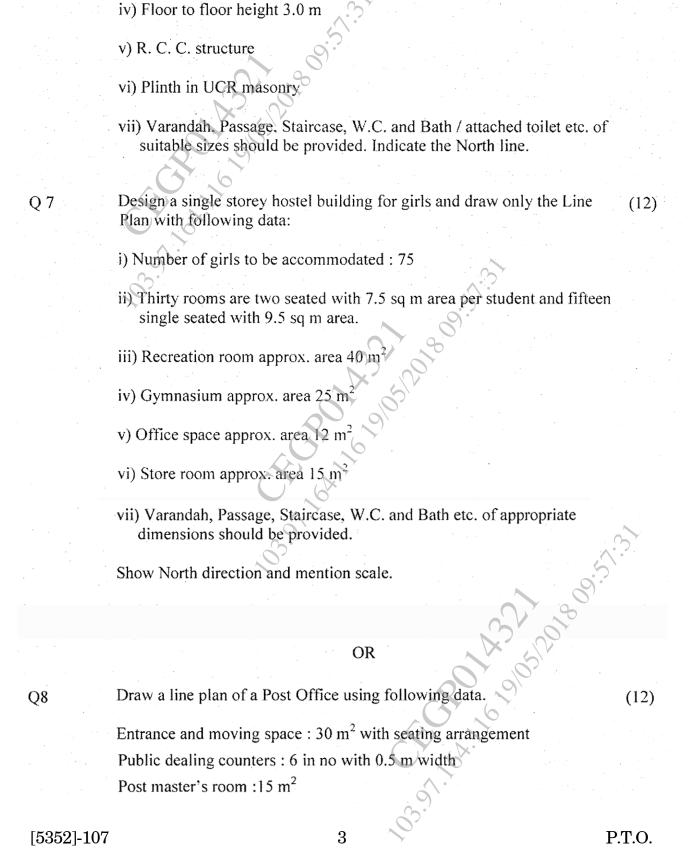
O 5 Draw a detailed Floor Plan to a scale of 1:50 OR otherwise, of a residential building for the given line plan below. Use following data: RCC framed structure, Wall thickness: 150 mm, Single storey building, Plinth height 450 mm, All dimensions in the sketch are in m. Indicate suitable locations & sizes of doors, windows in schedule of openings.



OR

Q 6 Draw a detailed Floor Plan to a scale of 1:50 with following data: (13)

- i) Living room 1 no. approx. area 15 m²
- ii) Kitchen cum Dining 1 no. approx. area 15 m²
- iii) Bed rooms 2 no. approx. area 12 m² each



Working area for other staff: 30 m²

Post separation room: 30 m²

Safe custody area for cash: 10 m²

Cash transaction room: 12 m²

Speed Post Delivery Section: 12 m²

Water room and Toilet (separate for male and female) : $7.5~\text{m}^2$

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