Seat No.

Total No. of Pages : 2

S.E. (Civil) (Part - II) (Semester - IV) (Revised)

Examination, May - 2017

BUILDING DESIGN AND DRAWING

Sub. Code: 63348

Day and Date: Friday, 05 - 05 - 2017

Total Marks: 100

Time: 9.00 a.m. to 1.00 p.m.

Instructions:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Assume suitable data, if required and clearly mention it.

SECTION - I referred only easily (a (40)

- Q1) a) State various factors considered in selection of a site for a residential building. [5]
 - b) Write a short note on 'Circulation' as a principle of planning. [5]

OR

b) Explain building line and control line.

ty of ventilation and what are the partors affecting on

defects? Explain any one in detail.

[5]

- Q2) Design a semidetached bungalow for two brothers, One Civil Engineer and one an Advocate each having a built up area of 175m². The details of each bungalow are as follows:
 - a) Ground floor B.U.A.-Approx. 100m² and F.F. B.U.A. Approx. 75 m².
 - b) Keeping principles of planning in mind divide the following units on the G.F. and F.F. - Verandah, Living, Kitchen cum Dinning, Master Bedroom with attached Toilet, Children Bedroom, Guest Bedroom with attached Toilet, common toilet and terrace.
 - c) A staircase of min.0.9m width.
 - d) A space for uncovered or partially covered for car parking.

	e)	Suitable size of verandah and circulation spaces	
		Note: A deviation of +/- 15% area is allowable.	Sont
		Draw to a suitable scale	26,73
		i) Plan (G.F. & F.F.) of any one bungalow.	[25]
		ii) Furniture layout of Master Bedroom (Scale 1:50).	[5]
((23) a)	What are repairs and rehabilitation of a building?	[5]
	b)	Explain various materials used as alternatives for conventional cost housing.	FMI
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	b)	Write a short note on efficient design of green building.	[5]
		SECTION - II	
((Q4) a)	State the characteristics of traps and explain 'Intercepting Trapsketch.	o' with a [10]
	b)	Explain the various systems of wiring. OR	(E) [6]
	b)	State the general requirements of water storage tank.	[6]
(Q5) a)	What is the necessity of ventilation and what are the factors affer ventilation?	ecting on [8]
	b)	What are different acoustical defects? Explain any one in detail OR	
89	b)	Differentiate between summer and winter air conditioning.	[8] (22)
	Q6) Wr	ite short notes on any three:	[18]
	a)	Types of paints. 1 m001 xongqA-A.U.8 - 100ft Emborio	*
	b)	Characteristics of good plastering.	
901	c)	Types of pointing.	
	d)	Wall cladding and dado work.	
	e)	Internal wall finishes - POP & gypsum plaster.	1
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