Ha	Il Tic	ket Number: Code No.: 210	012
		ASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD E. (Civil Engg.) II Year I-Semester (Main & Backlog) Examinations, Nov./Dec2016	
1		Building Planning and Drawing	
	Time	Max. Marks: 70 Note: 1. Answer ALL questions in Part-A and any FIVE from Part-B 2. Use drawing sheets for the drawings	
		$Part-A (10 \times 2 = 20 Marks)$	
	1. 2. 3. 4. 5. 6. 7. 8. 9.	In the context of Building bylaws, explain the terms Setback line and Control Line. In the context of building planning, explain the terms Aspect and Prospect. Differentiate between Lift and escalator. Present the basic principles of green buildings. Show the convention for representing coursed rubble stone wall and brick. Show the convention for representation of cupboard in wall. What is "hold fast" and explain its utility? With the help of a sketch show bifurcated staircase. Draw a simple sketch of residential plot and mark "building envelop" on it. Draw a line diagram of a toilet and mark WC, Bath, WB in it.	
		Part-B $(5 \times 10 = 50 \text{ Marks})$	
	11.	a) What is grouping in the context of residential unit planning?	[5]
		b) What is "circulation" in building planning?	[5]
	12.	a) With the help of a simple sketch explain the water supply system in an independent residential unit.	[5]
		b) List any 5 measures to be taken for fire detection and protection in a multi storied building.	[5]
	13.	a) Draw a sketch of "king closer".	[3]
		b) Draw isometric view in 4 courses of English bond of 1 brick wall.	[7]
	14.	a) State the dimensions of a typical toilet door.	[3]
		b) Draw elevation and sectional plan of a fully paneled door.	[7]
	15.	a) What is control line in the context of building regulations?	[2]
		b) Draw the plan and elevation of the given sketch to a scale of 1:50. Locate doors, windows and ventilators wherever necessary.	[8]

¥	Toilet $-3m \times 1.5m$
Living – Dining 4m×4m	
	Bed Room - 4m×3m

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16. a) For	r effective ventilation, list the measures to be taken.	[5]
	plain the rain water harvesting techniques that can be adopted to provide sustainable utions for conservation of water in urban areas.	[5]
17. Write	short notes on any two of the following:	
a)	Provisions for physically handicapped in buildings	[5]
b)	Green building rating system.	[5]
c)	Horizontal and Vertical circulation.	[5]