			CBCS SCHEME	
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Third Semester B Arch Degree Examination LandFeb 2023				2
Third Semester B.Arch. Degree Examination, Jan./Feb. 2023 Building Services – I				
	Tir	ne:	3 hrs. Max. M	arks: 100
Note: Answer any FIVE full questions, choosing ONE full question from each module.				
			Module-1	
	1		(See. 4	(04 Marks)
T	1	а. ь	Explain briefly the principles of sanitation. Discuss briefly the various stages of water treatment involved.	(10 Marks)
		b.	What are the various types of water demand of a city or town?	(06 Marks)
		С.	what are the various types of water demand of a city of town.	(00
			OR N	
	2	a.	What is disinfection of water? List the chemical used.	(04 Marks)
		b.	Mention different method of layout of water distribution network and explain	with neat
			sketch.	(10 Marks)
		C.	Explain the types of water carriage system,	(06 Marks)
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	2		Module-2	(12 Marks)
	3	a. 1	Explain with a near Excelent septic value that the Party	(08 Marks)
		b.	Explain the commonly used fitting in domestic plumbing work.	(00 Marks)
			OR OR	
	4	a.	Explain with a neat sketch section showing the Rain water Harvesting in a F	Residential
	-9	а.	building.	(10 Marks)
		h	Discuss in your own word how to be use (grey water) water in a building for not	
		0.	purpose.	(10 Marks)
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4			Module-3	
	5	a.	What is a Trap? Explain requirement of a good Trap.	(04 Marks)
		b.		(08 Marks)
		с.	Sketch any two types of valves and explain.	(08 Marks)
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			OR	of ODIIV
	6		With the help of a neat sketch, explain the internal and external drainage plan	
			independent residence. Draw drainage plan with a site plan.	(20 Marks)
Module-4				

- Draw a typical toilet layout plan showing the sanitary fixtures, fitting and wellness. 7 a. (12 Marks)
 - Draw a neat sketch of i) Pedestal wash basin ii) Sink with Drain board. (08 Marks) b.

- 8 a. Write a note on Medical and industrial waste the treatment and disposal. (10 Marks)
 - b. Explain organic waste converter.

(10 Marks) (10 Marks)

Module-5

9 a. What are fire extinguishing systems adapted to a building? Explain. (12 Marks)
b. Briefly explain the zoning and the classification. (08 Marks)

OR

10 a. Explain briefly the causes of the fire and the precaution to be taken.(10 Marks)b. Explain in your own words the use of solar energy and LPG supply systems reduce the
electricity consumption in a building.(10 Marks)