CBCS SCHEME

USN						L.						15ENG43	
Fourth Semester B.Arch. Degree Examination, Aug./Sept.2020													
	Building Services – I												
Tim	Time: 3 hrs. Max. Mar.												
	N	ote: Ans	wer a	ny FI	VE full	questic	ns, ci	hoosing	ONE ful	l question fr	om each m	odule.	
ī	a. b.	Module-1 Explain the history of sanitation with respect to human civilization.										(10 Marks) (10 Marks)	
		OR											
2	a.	B-1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -											
	b. Explain infiltration galleries and infiltration wells with nea									eat sketches.		(06 Marks) (06 Marks)	
	C.												
	Module-2												
3	a.	What is	a tra	p? Exp	olain th	e traps			eyance of	sewage ie.,	Nahani tra	p, Gully trap	
		What is a trap? Explain the traps used for conveyance of sewage ie., Nahani trap, Gully trap and Intercepting trap with neat sketches. (10 Marks) Explain the objective of sewage treatment and the process of sewage treatment with neat											
	b.	Explain	the	objecti	ve of s	sewage	treatr	nent and	the pro	cess of sew	age treatme		
		sketche	S.								TO THE REAL PROPERTY.	(10 Marks)	
	OR												
4	8 - J										inlets) and		
	(Surface drains) with neat sketches.b. Explain the advantages of rain water har							munatin a		* Stage		(12 Marks)	
	0.	LAPIAIII	tire a	iu vairio	iges of	Talli wa	ici iia	ivesting.	i.	\$100 pt		(08 Marks)	
								dule-3					
5	Explain the systems of plumbing with neat sketches:												
	a.	Two - pipe system Partially ventilated single stack system b. One - pipe system d. Single stack system										(20 Mayla)	
	٠.	r artian.	, ven	inated	Siligic	Stack Sy	Stelli	u. i	Jingie su	ick system		(20 Marks)	
		Ja				4		OR (Ψ .				
6	0	Explain Gate va						71 27 70 200	ontrol va		1	(00.3%)	
	a.	Vale va	IVE	υ. \	Globe v	varves	C.	Butterfly	valve	b. Reflu	x varve.	(20 Marks)	
								odule-4					
7									itary fittii	_			
	a.	Flushin	g Sys	tem	b.	Wash B	asın	c.	Bath tub	d. Uri	nals	(20 Marks)	
								OR					
8		Explain the collection, segregation, treatment and disposal of garbage. It waste convertor and vermicomposting.									rbage. Exp	olain organic (20 Marks)	
	Module-5												
9		Write s			n :								
	a.	Smoke	detec	tors	b. F	ire Alar	ms	c. We	t risers	d. Fire h	ydrants	(20 Marks)	
								OB					

Explain solar hot water generation with neat sketch. 10

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice.

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

(20 Marks)