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			CBCS SCHEME	hat he had he ha
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			Fifth Semester B.Arch. Degree Examination, Aug./Sept.202	20
Building Services – II				
	Tin	ne:	3 hrs. Max. M	farks: 100
			ote: 1. Answer any FIVE full questions, choosing ONE full question from each m 2. Draw relevant sketches wherever necessary.	iodule.
s maipractice.	1	a.	<u>Module-1</u> Explain with neat block diagram, how electricity is transmitted from generatin the end user.	g station to (12 Marks)
ircalcu a:		b.	Define the terms: (i) Voltage (ii) Current (iii) Connected load (iv) Maximum Demand	(08 Marks)
00 IIIW ,UC = 0	2	a. b.	OR What is a substation? Explain the various types of substations. What is a transformer? Explain the different types of transformers.	(10 Marks) (10 Marks)
equations withen eg. 42+6 = 30, will be treated as maipractice	3		<u>Module-2</u> Explain the surface conduit system and casing capping system of wiring used in buildings.	residential (20 Marks)
yuauuu w	4		OR What is renewable energy system? Explain any one type in detail.	(20 Marks)
	5	a. b.	<u>Module-3</u> What is a fuse? Explain the different types of fuses. What is a Miniature Circuit Breaker? What are the advantages and disadvantage over fuses?	(10 Marks) s of MCBs (10 Marks)
	6		OR What is earthing? Explain anyone type of earthing system in detail	(20 Marks)
	7	a.	Module-4Write short notes on :Florescent lampb. CFLc. LEDd. Incandescent Lamp	(20 Marks)
		a. b.	OR Explain the laws of Illumination. Explain the various methods of lighting.	(05 Marks) (15 Marks)
	9		<u>Module-5</u> Draw a single line plan of a two bedroom residence and prepare the electrical la the standard symbols. Calculate the electrical load for the lighting of the residence	yout using (20 Marks)
1		a. b.	OR Draw a single line plan of a doctor's clinic and prepare the electrical layout standard symbols. What are extra low voltage systems? Explain briefly.	using the (15 Marks) (05 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.