EMELIAS SAGA

	CINCINCO COCO						
USN							15ARC53
	Fifth Semester B.Arch. Degree Examination, Aug./Sept.2020						ept.2020
Building Services – II							
		F 6 2					
Time: 3 hrs.					£.	Max. Marks: 100	
	Note: 1 A	исшог ли	w FIVE	full auestion	s choosing ONE full	auestion fro	m each module.

2. Draw relevant sketches wherever necessary. Module-1 Explain with neat block diagram, how electricity is transmitted from generating station to (12 Marks) the end user. Define the terms: (iii) Connected load (iv) Maximum Demand (08 Marks) (i) Voltage (ii) Current What is a substation? Explain the various types of substations. (10 Marks) What is a transformer? Explain the different types of transformers. (10 Marks) Module-2 Explain the surface conduit system and casing capping system of wiring used in residential 3 buildings. (20 Marks) OR What is renewable energy system? Explain any one type in detail. (20 Marks) Module-3 (10 Marks) What is a fuse? Explain the different types of fuses. What is a Miniature Circuit Breaker? What are the advantages and disadvantages of MCBs (10 Marks) over fuses? What is earthing? Explain anyone type of earthing system in detail (20 Marks) Module-4 Write short notes on: d. Incandescent Lamp (20 Marks) LED Florescent lamp b. CFL (05 Marks) Explain the laws of Illumination. Explain the various methods of lighting. (15 Marks) Module-5 Draw a single line plan of a two bedroom residence and prepare the electrical layout using the standard symbols. Calculate the electrical load for the lighting of the residence. (20 Marks) OR

Draw a single line plan of a doctor's clinic and prepare the electrical layout using the 10 (15 Marks) standard symbols.

What are extra low voltage systems? Explain briefly.

(05 Marks)

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.