

Sem: 1st (B.Tech.)

Time: 1 $\frac{1}{2}$ Hours

Name: N. Ragamale

EEND SEMESTER EXAMINATION

Course Name: Overview of Computer Workshop

Course Code: -----

Date: 07/12/2023

Max. Marks: 25

Roll no.: S20230010158

Instruction:

- A. All questions are compulsory.
- B. Each question carries equal marks.
- C. If you are required, consider the necessary assumptions.
- D. Scientific calculator is allowed.
- E. Try to write answer of each question in one place in the answer script.

Q. No	Description of Questions		Marks
1	a)	Why do we need to study wireless communication?	1
	b)	Write the limitations of the mobile computing?	1.5
	c)	Explain the simple wireless communication system with a suitable neat diagram?	2.5
2	a)	Why the hexagonal geometry is conceptual in cellular system?	1
	b)	Why do we need frequency reuse in cellular system?	1.5
	c)	List the multiple access technique? Explain any one with a suitable neat diagram?	2.5
3	a)	Write the Challenges of the ring architecture in computer network?	1
	b)	Distinguish between internet and intranet?	1.5
	c)	Explain the different types of addressing modes with examples available in 8085 assembly language?	2.5
4	Elaborate following for 8085 microprocessors:-		
	(a)	Opcode and operand (1)	
	(b)	Status signals provided in microprocessor (1)	
	(c)	Significance of program counter (1)	
	(d)	Types of registers (2)	5

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What will be the content of accumulator, B, C and D registers after executing following program:

MVI C, 03 H
MVI B, A6 H
MVI D, 10 H
XRA A
PTR: MOV A B
RAL
MOV B, A
MOV A, D
RAR
MOV D, A
DCR C
JNZ PTR
ADD B
HLT

5

*****End*****