

Sem: 1st (B.Tech.)

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

EEND SEMESTER EXAMINATION

Course Name: Overview of Computer Workshop

Course Code:-----

Date: 07/12/2023

Max. Marks: 25

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Instruction:

- All questions are compulsory.
- Each question carries equal marks.
- If you are required, consider the necessary assumptions.
- Scientific calculator is allowed.
- 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

5

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*****