Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year I Semester Supplementary Examinations November-2020
COMPUTER ORGANIZATION

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	Subtract the following with neat diagram? i)1010100-1000011. ii)1001001-(-1000100)	**6M**
	b	Explain the following i) Decoders ii) Encoders	**6M**

OR

2	a	Write about logical operations?	**6M**
	b	Explain about Error detecting codes?	**6M**

UNIT-II

3	a	What is memory hierarchy? Write about Main memory	**6M**
	b	Explain about the applications of Logic Micro Operations	**6M**

OR

4	a	Explain about Address Sequencing with neat diagram	**6M**
	b	Explain in detail about design of control unit?	**6M**

UNIT-III

5	a	Explain about assembler directives?	**6M**
	b	Explain about Data transfer instructions?	**6M**

OR

6	a	What are input-output instructions and what are the types?	**6M**
	b	Explain about shift instructions with Example.	**6M**

UNIT-IV

7	a	Explain about Peripheral devices?	**6M**
	b	Explain the concept of Pipelining with clear Example?	**6M**

OR

8	a	Differentiate between memory mapped I/O and isolated I/O	**6M**
	b	Differentiate between I/O and Memory bus?	**6M**

UNIT-V

9	a	Explain about Parallel Processing and its Types?	**6M**
	b	Explain the concept of Pipelining with clear example	**6M**

OR

10	a	Explain about vector processing?	**6M**
	b	Explain about Array processors?	**6M**

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