1	otal	No.	of	CO's	04

Seat No:

Total No. of I	ages:0	1
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G. H. Raisoni College of Engineering and Management, Pune.

(An Autonomous Institution Affiliated to Savitribai Phule Pune University)

S.Y B. Tech (Computer /ENTC Engineering) (Term-III)

ESE Winter-2020 (2019 Pattern)

COMPUTER ARCHITECTURE & ORGANIZATION (BCOL19201)

[Time: 1.5 Hours]

[Max. Marks 30]

COURSE OUTCOME:

- 1. Describe fundamental units of Computer System
- 2. Analyze organization and design of memory system
- 3. Identify different ways of communicating with I/O devices and interfaces
- 4. Analyze the working of serial and parallel system

Instructions to the candidates:

- 1) (CO1/CO2/CO....)at the beginning of question/sub question indicates the course outcome related to the question.
- 2) All questions compulsory.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Figures to the right indicate full marks.
- 5) Assume suitable data, if necessary.

CO1 a)	List out Addressing mode and explain any 4 modes with examples?	[5]
CO2 a)	Demonstrate Booths multiplication for given example? e.g. (-5*-3)	[5]
CO2 b)	Solved example using Single and double precision (12.125) ₂ ?	[4]
CO3 a)	Explain working of micro programmed control unit?	[4]
CO3 a)	Draw and explain multiprocessor organization?	[4]
CO3 b)	Draw and explain working of pipeline of processor?	[4]
CO4 a)	Write Difference between RISC and CISC processor?	[4]
