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A) Component Bus B) System Bus C) Main Bus D) Major Bus

8

(processor, memory, I/O) is called\_\_\_\_

6. Instruction register (IR), contains the 8-bit opcode instruction being

8

A) True B) False executed. The statement is: A) Compiler B) Assembler C) CPU D) Control Unit

5. Assembler directives are commands that are understood by the

Instructions to the Students:
 Assume suitable data wherever necessary and mention it clearly.
 Figures to right indicate full marks.

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Q. 1 Attempt the following.

4. The interconnection mechanism that connects major computer components		representation.  A) One B) Two C) Three D) No Representation	3. How many representations are there for 0 (zero) in 1's compliment	<ol> <li>What is the result of multiplication of unsigned integers 1011 x 1101.</li> <li>A) 0001111 B) 10011111 C)10001111 D) 00001111</li> </ol>	<ol> <li>Write 2's complement representation of -10 and +10.</li> <li>A) 0110, 1010 B)1010, 0110 C) 0101, 1010 D) 1010, 0101</li> </ol>
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## DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

13- hs

Course: B. Tech in Information Technology Mid Semester Examination - Sept./Oct. 2019

Subject Name: Computer Architecture & Organization Subject Code: BTCOC304

Date:- 07/10/2019

Duration:- 1 Hr.

Max Marks: 20

(Level/CO) Marks

1 X 6



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Q. 3 Solve Any One of the following.

(A) Sketch and explain flowchart for Booth's algorithm. (B) Explain in detail data flow during an instruction cycle.

Q.2 Solve Any Two of the following.

(A) Draw and explain von-Neuman's architecture.

(B) Explain any two addressing modes with diagram. (C) Differentiate between RISC and CISC architecture.

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8 X 1

3 X 2