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No. of Printed Pages : 2

BCSL-022/S1

Bachelor of Computer Application (Revised) (BCA) Term-End Examination December, 2018

ASSEMBLY LANGUAGE PROGRAMMING LAB

Time : 1 Hour *Maximum Marks : 50*

Note : (i) There are ***two*** compulsory questions of 20 marks each in this paper. Rest 10 marks are for viva-voce.

(ii) Use any assembler or emulator of 8086 assembly language to run the programs.

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1. Write and run a program using 8086 assembly language that increments a byte value stored in a memory location by a value 2. The result should be stored in the same memory location. For example, if a memory location contains 0101 0001, then the program will add 2 to this value and store the result 0101 0011 (after adding 2) in the same location. 20

2. Write and run a program using 8086 assembly language that compares the values of AL and BL registers. In case AL is more than BL, then program clears BL register otherwise it clears AL register. You can move value '1100 1010' in AL register and '1100 1000' in BL register, initially. 20