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BCSL-022/S3

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

ASSEMBLY LANGUAGE
PROGRAMMING LAB

*Time : 1 Hour**Maximum Marks : 50*

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- Note :** (i) There are *two* compulsory questions of 20 marks each in this paper.
- (ii) Rest 10 marks are for viva-voce.
- (iii) 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 clears the top four bits of AL register using BL register. You may assume that AL register contains '0111 0101'. You have to move appropriate value in BL register and perform the operation(s) using AL and BL such that resultant value in AL register is '0000 0101'. You should not move this value directly in AL register. 20
2. Write and run a program using 8086 assembly language that finds the first value that is more than 35 h from the 5 given byte values in the consecutive memory locations. You may assume that five values in the consecutive memory locations are : 20

29 h, 32 h, 35 h, 39 h, 21 h