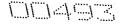
BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)



Term-End Practical Examination December, 2016

BCSL-022(P)/S2: ASSEMBLY LANGUAGE PROGRAMMING LAB

Time : 1 Hour		Maximum Marks : 50
Note:	(i)	There are two compulsory questions of 20 marks each in this paper. Res. 10 marks are for viva-voce.
	(ii)	Use any assembler or emulator of 8086 assembly language to run the programs.

- 1. Write and run a program using 8086 assembly language that interchanges the values stored in two 16-bit words. You may assume that both the words are stored in memory locations.
- 2. Write and run a program using 8086 assembly language that finds the sum of lower four bits of a byte array of six elements stored in memory. For example, if the byte array in memory contains

 $01101000\ 10010001\ 10010011\ 01110011\ 01111101\ 00110111,$ then the program should add

 $00001000\ 00000001\ 00000011\ 00000011\ 000001101\ 00000111$ to get the result 00100011. This result should be left in AL register.

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