

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

June, 2015

01953

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. Rest 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 adds two single digit ASCII digits stored in two consecutive memory locations. The result must be moved to DL register. 20

2. Write and run a program using 8086 assembly language that counts the number of non-zero numbers stored in a byte array of size five. The array is stored in the memory. The count is left in AL register. For example, if the memory contains the array :

	51	00	31	00	25	
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then the program should output 3 in AL register. 20