BACHELOR OF COMPUTER APPLICATIONS (Revised)

(BCA)

Term-End Practical Examination

00734

December, 2014

BCSL-022(P)/S1 : 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 interchanges the upper and lower four bits of AL register. You may assume that AL register contains 1001 0110. After execution of your program AL should contain 0110 1001.   *20*

2. Write and run a program using 8086 assembly language that adds the values stored in an array of 4 elements. The array should be a byte array stored in the memory. The result of the operation should be stored in the DX register. You may assume that no overflow occurs.   *20*