BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)
Term-End Practical Examination
December, 2014

00114

BCSL-022(P)/S4 : 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 creates an eight-bit number from two four-bit numbers. The following example explains this :   *20*

Consider BL register contains   0000 <u>0110</u>

and DL register contains 0000 <u>1001</u>

then you need to create an eight-bit number from BL and DL in AL register.

The AL should contain   <u>0110</u> <u>1001</u>

2.   Write and run a program using 8086 assembly language that searches for an ASCII character in an array of five ASCII characters. The array is stored in the memory locations. The program stores a value 1 in AL register, if the character is found, else AL register contains 0.   *20*

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