

**BACHELOR OF COMPUTER APPLICATIONS (Revised)**  
**(BCA)**

00797

**Term-End Practical Examination**

**June, 2017**

**BCSL-022(P)/S1 : 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. Rest 10 marks are for viva-voce.*
- (ii) *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 lower 4 bits of AL register using BL register. The values of AL and BL registers can be assumed as :

AL	0100	1100
BL	1111	0000
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After the clear operation	AL	0100 0000

— The value of BL register remains unchanged. 20

2. Write and run a program using 8086 assembly language that finds the area of a rectangle. You may assume that the dimensions of the rectangle are stored in two consecutive byte locations in the memory. The result of the operation must be stored in DX register. 20