

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

02372

**Term-End Practical Examination
December, 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 the upper four bits of AL register using BL register, and then left shifts the AL register by 4 bits. You may assume that the AL register contains 01011010 and the BL register contains 00001111. The output of the operation should be left in AL register. 20

 2. Write and run a program using 8086 assembly language that calculates the area of a circle. You may assume that the value of the radius is stored in a byte memory location. Assume the radius to be 5 units. The result of the operation must be transferred to DX register. 20
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