No. of Printed Page : 1

SET - 1

BACHELOR IN COMPUTER APPLICATIONS (BCA)
(Revised)
Term-End Practical Examination

04035

December, 2012

BCSL-022 : ASSEMBLY LANGUAGE PROGRAMMING LAB

Time allowed : 1 hour *Maximum Marks : 50*

Note : *(i) There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**.*

(ii) Use any assembler or emulator to run assembly programs.

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1. Write and run a program using 8086 assembly language that converts an ASCII digit stored in memory location to equivalent binary in AL register. For example, if memory has the ASCII digit '5' it should be in AL register as 00000101. **20**

2. Write a program using 8086 assembly language that counts the length of a string stored in consecutive memory location $ should be assumed as string termination character. **20**

No. of Printed Page : 1

SET - 2

BACHELOR IN COMPUTER APPLICATIONS (BCA)
(Revised)
Term-End Practical Examination

02725

December, 2012

BCSL-022 : ASSEMBLY LANGUAGE PROGRAMMING LAB

Time allowed : 1 hour *Maximum Marks : 50*

Note : *(i) There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**.*

(ii) Use any assembler or emulator to run the programs.

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1. Write and run a program using 8086 assembly language that interchanges the values. Stored in two different memory locations. **20**

2. Write and run a program using 8086 assembly language that finds the total of marks of 5 students stored in five consecutive memory locations. **20**

No. of Printed Page : 1

SET - 3

BACHELOR IN COMPUTER APPLICATIONS (BCA)
(Revised)
Term-End Practical Examination 01975
December, 2012
BCSL-022 : ASSEMBLY LANGUAGE PROGRAMMING LAB

Time allowed : 1 hour *Maximum Marks : 50*

Note : *(i) There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**.*
(ii) Use any assembler or emulator to run your programs.

1. Write and run a program using 8086 assembly language to find the smaller of two values stored in two different memory locations. **20**

2. Write and run a program using 8086 assembly language to multiply three numbers. The numbers may be assumed to be in three consecutive memory locations. The result should be stored in a register. All the numbers should be less than 100. **20**

No. of Printed Page : 1

SET - 4

BACHELOR IN COMPUTER APPLICATIONS (BCA)
(Revised)
Term-End Practical Examination

01065

December, 2012

BCSL-022 : ASSEMBLY LANGUAGE PROGRAMMING LAB

Time allowed : 1 hour *Maximum Marks : 50*

Note : *(i) There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**.*
(ii) Use any assembler or emulator to run your programs.

1. Write and run a program using 8086 assembly language that calculates the tax due for a person. You may assume that the annual salary of the person is stored in a memory location. You may also assume a flat 30% tax rate. **20**

2. Write and run a program using 8086 assembly language that finds the smallest of four given values. The values are stored in four consecutive locations of memory. **20**