Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/BSM/SEM-1/BSM-103/2012-13

2012

COMPUTER APPLICATION-I

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

                                            10 × 1 = 10

   i)   Number are stored and transmitted inside a computer in

        a)   binary form   b)   ASCII code form

        c)   decimal form   d)   alphanumeric form.

   ii) 2 bytes corresponds to

        a)   4 bits   b)   8 bits

        c)   16 bits   d)   32 bits.

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iii) What is primary storage unit ?

    a) Printer   b) Plotter

    c) OCR   d) None of these.

iv) CAN means

    a) Corporation Area Network

    b) Company Area Network

    c) Campus Area Network

    d) Commercial Area Network.

v) C++ is

    a) High level language

    b) Low level language

    c) Middle level language

    d) Machine language.

vi) MICR stands for

    a) Magnetic Ink Character Reader

    b) Micro Ink Character Reader

    c) Macro Ink Character Reader

    d) None of these.

vii) Microsoft Windows XP is

    a) GUI   b) CLI

    c) RMI   d) None of these.

viii) In which generation of computer is VLSI used ?

    a)   First Generation

    b)   Second Generation

    c)   Third Generation

    d)   Fourth Generation.

ix) Hub used in

    a)   Bus topology   b)   Ring topology

    c)   Star topology   d)   none of these.

x) Virus is a

    a)   a computer program

    b)   a computer software

    c)   a computer hardware

    d)   a input unit.

GROUP – B
(Short Answer Type Questions)
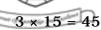Answer any *three* of the following.   3 × 5 = 15

2. What is network ? Discuss the various topologies used in LAN ?

3. What is Machine instruction ? Discuss the Fetch – Decode – Execute Cycle ?

4. What is Memory ? Discuss Primary memory ?

5. What is SQL ? Define DDL, DML, DCL and TCL.

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

6. Define Hardware ? Describe booting process. Discuss the difference between GUI and CLI. Define Operating System ? What is the main function of Operating System ?

    2 + 5 + 3 + 2 + 3

7. What is Bridge ? What is the main function of a bridge ? Why are communication protocols needed in computer network ? What are modems ? What purpose do they serve in data communication systems ?   2 + 4 + 4 + 2 + 3

8. What is computer program ? Define and distinguish between application software and system software ? What is entertainment software ? Give few examples of such software ? What is Firmware ?   2 + 2 + 4 + 2 + 3 + 2

9. Write short notes on any *three* of the following :

    a) Operating System – DOS

    b) Router

    c) OSI layers

    d) Output unit

    e) CPU

    f) Neural network.