A-3703

First Year B. C. A. (Sem. I) (CBCS) Examination
March / April – 2015
103 : Introduction to Computer : Paper - III

Time :   Hours]   [Total Marks : **70**

Instruction :

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ **FIRST YEAR B. C. A. (SEM. 1) (CBCS)**

Name of the Subject :

☛ **103 : INTRODUCTION TO COMPUTER - 3**

☛ Subject Code No. : **3 7 0 3** ☛ Section No. (1, 2,......) : **Nil**

Seat No. :

Student's Signature

1   Answer the following in brief : (any **six**)   **12**

    (1)   What is EBCDIC ?

    (2)   What is BIOS ?

    (3)   What is ASCII ?

    (4)   Give full name : DVD, OCR, OMR, ENIAC

    (5)   Define POST.

    (6)   What is Flash Memory ?

    (7)   Define term volatile and Non-volatile.

    (8)   What do you mean by 32-bit and 64-bit computer ?

    (9)   Give the formula to count the capacity of a hard disk in bytes.

2   Answer the following :   **14**

    (1)   Draw a block diagram of computer and explain its functional units.   **7**

    (2)   Write a note on DVD-ROM.   **7**

OR

2   Answer the following :   **14**

    (1)   Explain the different types of characteristics of computer in detail.   **7**

    (2)   Write a note on CD-ROM.   **7**

3 Answer the following : 14

    (1) Write a detail note on OCR and OMR. 7

    (2) Explain in detail Backup devices. 7

<div align="center">**OR**</div>

    (2) Difference between Ink-jet printer and Drum printer. 7

4 Answer the following : (any **two**) 14

    (1) Primary storage Vs. Secondary storage. 7

    (2) Cache memory Vs. Virtual memory 7

    (3) Explain plotters in detail. 7

    (4) Advantage and disadvantage of optical disk. 7

5 Attempt any **four** : 16

    (1) $(42)_{10} = (?)_2$

    (2) Subtract : $(01110)_2$ from $(10101)_2$

    (3) $(4706)_8 = (?)_{10}$

    (4) Find the complement of $(53)_{10}$

    (5) $(BCA)_{16} = (?)_2$

    (6) $(101110)_2 = (?)_8$