MF-3703

First Year B. C. A. (Sem. I) (CBCS) Examination
October/November – 2013
103 : Introduction To Computer : Paper - III
(Old & New Course)

Time : **3 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 :

F. Y. B. C. A. (SEM. 1) (CBCS)

Name of the Subject :

103 : INTRO. TO COMP. : PAPER - 3 (OLD & NEW)

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

Seat No. :

Student's Signature

1   Answer the following in brief (any five)   **10**

   (1)   What is EBCDIC ?

   (2)   Who is the father of modern digital computer ?

   (3)   What is the functionality of input unit ?

   (4)   Why a computer is also known as a data processor ?

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

   (6)   What is EEPROM ?

   (7)   What is the difference between digital and analog computer ?

   (8)   What is flash memory ?

2   Answer the following :   **14**

   (a)   Explain different characteristics of computer in detail.

   (b)   Explain types of computers in detail.

OR

2   Answer the following :   **14**

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

   (b)   Explain backup devices in detail.

3   Answer the following :   **14**
   (a)   Write a detail note on OCR and OMR
   (b)   Write a note on DVD-ROM.
                                    OR
   (b)   Explain the features of hard disk in detail.

4   Answer the following: (any two)   **14**
   (a)   Inkjet printer Vs Drum printer.
   (b)   Cache memory Vs Virtual memory.
   (c)   Primary storage Vs Secondary storage.

5   Attempt any six :   **18**
   (a) $(BCA)_{16} = (?)_2$
   (b)   Find complement of $(53)_{10}$
   (c) $(1A.34)_{16} = (?)_{10}$
   (d) $(671)_{10} = (?)_2$
   (e)   Addition: $(100111)_2 + (11011)_2$
   (f)   Subtract: $(2761)_8$ from $(6357)_8$
   (g)   Subtract: $(527)_{16} - (75)_{16}$
   (h) $(432267)_{10} = (?)_8$