# P-3703-R

## First Year B. C. A. (Sem. I) (CBCS) Examination
### March/April – 2014
## 103 : Introduction to Computer : Paper - III
### (Old & New Course)

Time : **3 Hours**]                                          [Total Marks : **70**

**Instructions :**

(1)

**1**   Answer the following in brief. (Any five)                           **10**

   (1)   Define POST.

   (2)   Define term BUS and PORT.

   (3)   List different type of printers based on features its offers.

   (4)   What is UNICODE ?

   (5)   Define term volatile and non-volatile.

   (6)   What is the difference between $2^{nd}$ and $3^{rd}$ generation of computer ?

   (7)   What is PDA ?

   (8)   What is direct addressing mode ?

**2**   Answer the following.                                                 **14**

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

   (b)   What is PORT ? Explain USB port in detail.             **7**

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

   (b)   Explain types of computer in detail.                   **7**

**3** Answer the following. (Any Two) **14**

(a) Explain different characteristics of computer in detail. **7**

(b) Write note on features of Hard Disk in detail. **7**

(c) Explain ROM in detail. **7**

**4** Answer the following. **14**

(a) Cache memory Vs. Virtual memory. **7**

(b) Explain Plotters in detail. **7**

**OR**

**4** Answer the following. **14**

(a) Difference between InkJet printer and Drum printer. **7**

(b) Write a note on DVD ROM in detail. **7**

**5** Attempt any six. **18**

(1) $(BAB)_{16} = (?)_2$

(2) $(D3)_{16} = (?)_2$

(3) $(101110)_2 = (?)_8$

(4) $(5112)_{10} = (?)_{16}$

(5) $(432267)_{10} = (?)_8$

(6) Addition :

$(5647)_8 + (1425)_8$

(7) Find completent of

$(53)_{10}$

(8) Subtracts :

$(01110)_2$ from $(10101)_2$.