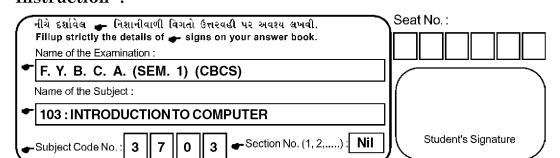# RA-3703

First Year B. C. A. (Sem. I) (CBCS) Examination
March / April - 2017
103 : Introduction to Computer

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 : INTRODUCTION TO COMPUTER**

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

Seat No. :

Student's Signature

1   Answer The Following : (Any Six)   12
   (1)   Define term firmware.
   (2)   Define POST.
   (3)   What is the difference between 2nd and 3rd generation of computer?
   (4)   What is Software? List types of software.
   (5)   Define the term Volatile and Non-Volatile.
   (6)   What do you mean by 32-bit and 64-bit computer?
   (7)   What is use of Joystick?
   (8)   What is BIOS?
   (9)   What is Flash Memory?

2   Answer The Following : (Any Three)   15
   (1)   Draw a block diagram of computer and explain all its functional units.
   (2)   Explain in detail backup devices.
   (3)   Explain types of computers in detail.
   (4)   Explain different characteristics of computer.
   (5)   Write a short note on ROM in detail.

3   Answer The Following : (Any Two)   12
   (1)   Cache Memory Vs Virtual Memory
   (2)   Inkjet Printer Vs Laser Printer
   (3)   Primary Storage Vs Secondary Storage

4   Answer The Following : (Any **Three**)   15

   (1)   Write a short note on Plotters.

   (2)   Explain Motherboard in detail.

   (3)   Write a short note on OCR and OMR.

   (4)   Explain different types of PORTS in detail.

   (5)   Write a short note on Hard disk.

5   Answer The Following : (Any **Four**)   16

   (1) $(2AB)_{16} = (?)_2$

   (2)   Add binary numbers $(100111)_2$ and $(11011)_2$.

   (3) $(5050)_8 = (?)_{16}$

   (4)   Add hexadecimal numbers $(FACE)_{16}$ and $(AB17)_{16}$

   (5) $(1715)_{10} = (?)_2$

   (6) $(10111)_2 = (?)_8$

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