DE-3703

First Year B. C. A. (Sem. I) (CBCS) Examination
March / April - 2016
103 : Introduction to Computer

Time : 3 Hours]   [Total Marks : 70

Instruction :

1   Answer the following (Any 6)   (12)

(1)   What is Flash Memory?

(2)   What is RAM?

(3)   What is ASCII?

(4)   Define the term Volatile and Non-Volatile.

(5)   Define POST.

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

(5)   What is Parity bit?

(8)   What is Firmware?

(9)   Define Storage capacity and Access time.

2   Answer the Following.(Any 3)   (15)

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

(2)   Explain in detail backup devices.

(3)   Write a short note on Plotters.

(4)   Explain Motherboard in detail.

(5)   Explain different phases of Machine cycle.

3 **Answer the Following. (Any 2)** **(12)**

    (1)   Cache Memory Vs Virtual Memory
    (2)   Inkjet Printer Vs Laser Printer
    (3)   Primary Storage Vs Secondary Storage

4 **Answer the Following. (Any 3)** **(15)**

    (1)   Explain different characteristics of computer.
    (2)   Write a short note on ROM in detail.
    (3)   Write a short note on OCR and OMR.
    (4)   Write a short note on Hard disk.
    (5)   Explain Keyboard in detail.

5 **Answer the Following. (Any 4)** **(16)**

    (1) $(130)_{10} = (?)_2$
    (2)   Subtract : $(01110)_2$ from $(10101)_2$
    (3) $(D3)_{16} = (?)_2$
    (4) $(2B.C4)_{16} = (?)_8$
    (5) $(1670)_8 = (?)_{10}$
    (6) $(27)_{10} = (?)_8$