



KA-3703

First Year B. C. A. (Sem. - I) Examination

September / October - 2012

**103 - Introduction to Computer : Paper - I
(New Course)**

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशांशक निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
FIRST YEAR B. C. A. (SEM. - 1)

Name of the Subject :
103 - INTRODUCTION TO COMPUTER (NEW)

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

Seat No. :

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Student's Signature

- 1 Answer the following in brief. 10
- (i) What do you mean by volatile and Non-volatile Storage ?
 - (ii) Give the Full Form of ASC-II and EBCDIC.
 - (iii) What do you mean by Primary and Secondary Storage ?
 - (iv) Write a function of cpu.
 - (v) What do you mean 32 and 64 bit computers ?
 - (vi) Explain Hardware and Software.
 - (vii) Write difference between Palmtop and Laptop.
 - (viii) What is VLSI and MSI ?
 - (ix) What is UNICODE ?
 - (x) Explain difference between impact and non-impact printer.

- 2 Answer the following questions : 13
- (i) Explain Generations of Computers in detail. 7
 - (ii) What do you mean by microcomputer ? How it is different from Notebook computers ? 6

OR

- (ii) Explain different types of Printers in detail. 6

- 3 Attempt any three : 18
- (i) Explain Phases of Machine Cycle
 - (ii) Write a difference between sequential and direct access types of storage.
 - (iii) Difference between PROM, EPROM and UVPRM.
 - (iv) Write a detailed note on Hard Disk.

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[Contd...

4 Attempt any two :

- (i) Explain Optical Disk in detail.
- (ii) Draw a block diagram of Computer and explain its functional units.
- (iii) Explain the difference between OCR and OMR in detail.

5 Attempt any five :

- (i) $(2A4E)_{16} = (?)_2$
- (ii) $(1111)_2 = (?)_{10}$
- (iii) $(1011.10)_{16} = (?)_2$
- (iv) Addition : $(11010110)_2 + (11101110)_2$
- (v) Addition : $(11001)_2 + (10111)_2$
- (vi) Subtraction : $(1010111)_2 - (11011)_2$

Student's Signature

Subject Code No. _____ Section No. (1, 2, 3) _____

103 - INTRODUCTION TO COMPUTER (NEW)

NAME OF THE STUDENT _____

FIRST YEAR B.A. (SEM. - I)

10

- Answer the following in brief :
- (i) What do you mean by volatile and Non-volatile Storage ?
 - (ii) Give the Full form of ASCII and EBCDIC.
 - (iii) What do you mean by Primary and Secondary Storage ?
 - (iv) Write a function of CPU.
 - (v) What do you mean by 32 and 64 bit computers ?
 - (vi) Explain Hardware and Software.
 - (vii) Write difference between Laptop and Laptop.
 - (viii) What is VLSI and MSI ?
 - (ix) What is UNICODE ?
 - (x) Explain difference between impact and non-impact printer.

18

7

6

Answer the following questions :

- (i) Explain (generations) of Computers in detail.
- (ii) What do you mean by microcomputer ? How it is different from Notebook computers ?

OR

- (i) Explain different types of Printers in detail.

18

- Attempt any three :
- (i) Explain Phases of Machine Cycle.
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