



JA-3703

First Year B. C. A. (Sem. I) (CBCS) Examination
March/April - 2013

103 : Introduction To Computer : Paper - III
(Old & New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशवैक्य निशानोवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	
F. Y. B. C. A. (SEM. 1) (CBCS)	
Name of the Subject :	
103 : INTRODUCTION TO COMPUTER-3 (OLD & NEW COURSE)	
Subject Code No. : 3 7 0 3 Section No. (1, 2,.....) : Nil	Student's Signature

- 1 Answer the following in brief : 10
- Define the term Hardware and Software.
 - What is POST ?
 - What is direct addressing mode ?
 - What is EBCDIC ?
 - What is UNICODE ?
 - What is VLSI ?
 - What do you mean 32 and 64 bit computers ?
 - What do you mean by volatile and Non-volatile Storage ?
 - What is Flash memory ?
 - Give the difference between CISC and RISC processor.
- 2 Answer the following : 13
- Explain Generations of Computers in detail. 7
 - Draw a block diagram of Computer and explain its functional units. 6
- OR**
- Explain Motherboard in detail. 6
- 3 Attempt any three : 18
- Explain Back Up Devices in detail.
 - Write a detailed note on Floppy Disk and its structure.
 - Write a detailed note on OCR and OMR.
 - Write a difference between Inkjet and Drum Printer.

- 4 Attempt any two : 14
(i) Explain the difference between Cache and virtual memory.
(ii) Write a detailed note on Optical Disk.
(iii) List the types of Computer. Explain any one type in detail.

- 5 Attempt any five : 15
(i) $(CB1, C2)_{16} = (?)_8$
(ii) $(576)_8 = (?)_2$
(iii) $(1234)_9 = (?)_{10}$
(iv) Addition : $(11111111)_2 + (10101011)_2$
(v) Addition : $(10000111)_2 + (11100111)_2$
(vi) Subtraction : $(11101010)_2 - (10100)_2$