



SB-1403

**First Year B. C. A. (Sem. I) Examination**  
**March / April – 2011**  
**Introduction to Computers**

Time : Hours]

[Total Marks :

**Instructions :**

(1)

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
**F. Y. B. C. A. (Sem. 1)**

Name of the Subject :  
**Introduction to Computers**

Subject Code No. : **1 4 0 3** Section No. (1, 2,.....) : **Nil**

Seat No. : 

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Student's Signature

- (2) All questions are compulsory.  
(3) Marks to the right indicate full marks.

1 Answer the following in brief : 12

- (1) Differentiate between palmtop and laptop.
- (2) What is databus, address bus ?
- (3) What is ASCII ?
- (4) Define term volatile and non volatile.
- (5) List different type of printer based on features its offers.
- (6) Explain the concept of post.
- (7) What is direct addressing mode ?
- (8) Define term BUS and PORT.
- (9) What is the unit for data transfer rate ?
- (10) What is BIOS ?
- (11) List different categories of monitors.
- (12) What is PDA ?

2 Attempt any two : 10

- (a) Give the difference of following :
  - (1) Sequential access device vs. direct access device.
  - (2) Cache memory Vs. Virtual memory
- (b) Explain the features of Hard disk in detail.
- (c) State benefits of storage devices.

SB-1403]

1

[Contd...

- 3 Answer the following questions : 21
- (a) Give the detailed classification of computers. Explain any one in detail.
  - (b) What is RAM ? Explain different types of RAM.
  - (c) Write a note on microprocessor.

OR

- (a) Explain Hardware and Software with diagram showing various categories of Hardware and Software.
  - (b) Write a note on block diagram of computer and explain its functional units.
  - (c) Explain addressing modes in detail.
- 4 Answer the following questions : 12
- (a) Write a note on DVD-ROM.
  - (b) Explain OCR and OMR in detail.

OR

- (a) Write a short note on inkjet printers.
  - (b) Explain flat panel monitors in detail.
- 5 Attempt any five : 15
- (1)  $(123.23)_{10} = (?)_2$
  - (2)  $(BCA)_{16} = (?)_2$
  - (3)  $(A23F6.45)_{16} = (?)_8$
  - (4) Addition :  $(100111)_2 + (10011)_2$
  - (5) Subtraction :  $(ABCD)_{16} - (56CF)_{16}$
  - (6)  $(2573)_8 = (?)_{16}$

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