



G-3703

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

November / December - 2014

103 : Introduction to Computer : Paper - III

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशों के निशानोंवाली विगता उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
First Year B. C. A. (Sem. I) (CBCS)	<input type="text"/>
Name of the Subject :	<input type="text"/>
103 : Introduction to Computer : Paper - III	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 7 <input type="text"/> 0 <input type="text"/> 3	Section No. (1, 2,.....) Nil
Student's Signature	

1 Answer the following in brief : (any six) 12

- What is the difference between 2<sup>nd</sup> and 3<sup>rd</sup> generation of computer ?
- What do you mean by 32-bit and 64-bit computer ?
- Define term volatile and non-volatile.
- What is Flash Memory ?
- Define post.
- Define term BUS and PORT.
- What is PDA ?
- What is data bus and address bus ?
- What do you mean by storage capacity ?

2 Answer the following : (any two) 14

- Explain in detail Hard Disk.
- Explain the characteristics of computer.
- Explain in detail Cache Memory and Virtual Memory.

- 3 Answer the following : 14  
(i) Explain in detail ROM. 7  
(ii) Difference between primary storage and secondary storage. 7

OR

- 3 Answer the following : 14  
(i) Explain in detail RAM. 7  
(ii) Draw block diagram of computer and explain all its functional units. 7

- 4 Answer the following : 14  
(i) Explain types of computer in detail. 7  
(ii) Write a short note on CD-ROM. 7

OR

- (ii) Write a short note on DVD-ROM. 7

- 5 Attempt any **four** : 16  
(i)  $(671)_{10} = (?)_2$   
(ii) Find the complement of  $(53)_{10}$   
(iii) Subtract :  $(01110)_2$  from  $(10101)_2$   
(iv)  $(432267)_{10} = (?)_8$   
(v) Addition :  $(100111)_2 + (11011)_2$   
(vi)  $(1A.34)_{16} = (?)_{10}$