



**UA-3703**  
**First Year B. C. A. (Sem. - I) Examination**  
**March/April - 2012**  
**103 - Introduction to Computers**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

<p>नीचे दशावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : FIRST YEAR B. C. A. (SEM. - 1)</p> <p>Name of the Subject : 103 - INTRODUCTION TO COMPUTERS</p> <p>Subject Code No. : 3 7 0 3 Section No. (1, 2,.....): NIL</p>	<p>Seat No. : □ □ □ □ □ □ □ □</p> <p style="text-align: center; border: 1px solid black; border-radius: 15px; padding: 10px;">Student's Signature</p>
--	---

1 Answer the following in brief : 12

- (1) What is difference between 3<sup>rd</sup> and 4<sup>th</sup> generation of computers ?
- (2) What is UNICODE ?
- (3) What is EEPROM ?
- (4) List different types of printers, based on features it offers.
- (5) What is the function of CPU ?
- (6) What is write protect notch ?
- (7) What does microprocessor do ?
- (8) What is PDA ?
- (9) What is data bus and address bus ?
- (10) Define term volatile and nonvolatile.
- (11) What is machine cycle ? Give its importance.
- (12) Justify, computer is digital device.

- 2** Answer the following questions : **13**
- (1) Write a short note on history of computers. **7**
- (2) Write a short note on palmtop and PDA. **6**
- OR**
- (2) What is port ? Explain USB port in detail. **6**
- 3** Attempt any **three** : **18**
- (a) Explain RAM in detail.
- (b) Explain addressing mode in detail.
- (c) Write a short note on block diagram of computer and explain its functional units.
- (4) Explain plotters in detail.
- 4** Attempt any **two** : **12**
- (1) Write a short note on laser printer.
- (2) Write a short note on Hard disk.
- (3) Write a short note on DVD ROM.
- 5** Attempt any **six** : **15**
- (1)  $(999)_{10} = (?)_2$
- (2)  $(BB)_{16} = (?)_2$
- (3)  $(3233)_8 = (?)_{16}$
- (4) Subtraction :  $(1100100)_2 - (1000110)_2$
- (5) Addition :  $(BCA)_{16} + (BBA)_{16}$
- (6) Addition :  $(10010)_2 + (1001)_2$
-