



**BA-3502**

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

October / November - 2017

**103 : Introduction to Computer**

(New Course)

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

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

Name of the Examination :  
**First Year B. C. A. (Sem. I) (CBCS)**

Name of the Subject :  
**103 : Introduction to Computer (New Course)**

Subject Code No. : **3 5 0 2** Section No. (1, 2, ...) : **Nil**

Seat No. : 

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Student's Signature

(2) Scientific Calculator is not allowed.

1 Answer the following : (Any 6) 12

- (1) What is access time?
- (2) What is parity bit?
- (3) What is Flash Memory?
- (4) What is use of EEPROM?
- (5) Define term firmware.
- (6) What is BIOS?
- (7) What do you mean by 32-bit and 64-bit computer?
- (8) What is Software? List types of software.

2 Answer the Following : (Any 3) 18

- (1) Explain Cache Memory in detail.
- (2) Explain Monitor in detail.
- (3) Draw a block diagram of computer and explain all its functional units.
- (4) Explain different types of PORTS in detail.

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[ Contd...

- 3 Answer the Following : (Any 1) 6
- (1) Primary Storage Vs. Secondary Storage
  - (2) Inkjet Printer Vs. Laser Printer.
- 4 Answer the Following : (Any 3) 18
- (1) Explain different characteristics of computer.
  - (2) Explain Motherboard in detail.
  - (3) Write a short note on Plotters.
  - (4) Explain in detail backup devices.
- 5 Answer the Following : (Any 4) 16
- (1) Subtract :  $(01110)_2$  from  $(10101)_2$
  - (2) Add binary numbers  $(100111)_2$  and  $(11011)_2$ , both decimal and binary forms
  - (3)  $(1670)_8 = (?)_{10}$
  - (4)  $(576)_8 = (?)_2$
  - (5)  $(1715)_{10} = (?)_2$
  - (6)  $(11010011)_2 = (?)_{16}$