RAN-1811000101030001

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

March / April - 2019

103: Introduction to Computer

Time: 3 Hours]   **[Total Marks: 70**

સૂચના : / Instructions

> નીચે દર્શાવેલ ☜ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
> **Fill up 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**
>
> Subject Code No.: **1811000101030001**

Seat No.:

Student's Signature

Q.l   **Answer the following (Any 6)**   **(12)**

   (1) What is seek time?

   (2) What is parity bit?

   (3) What is Software? List types of software.

   (4) What is use of EPROM?

   (5) Define term firmware.

   (6) Give the full form: PDA, ASCII, CRT, VLSI

   (7) What do you mean by 32-bit and 64-bit computer?

   (8) What is BIOS?

   (9) What is Flash Memory?

Q.2   **Answer the following.(Any 3)**   **(18)**

   (1) Explain in detail Hard Disk.

   (2) Explain Motherboard in detail.

   (3) Draw a block diagram of computer and explain all its functional units.

   (4) Explain Monitor in detail.

Q.3 Answer the following. (Any 1) (06)

(1) Inkjet Printer Vs Laser Printer

(2) Magnetic Storage Vs Optical Storage

(3) Primary Storage Vs Secondary Storage

Q.4 Answer the following. (Any 3) (18)

(1) Write a short note on Plotters.

(2) Explain Cache Memory in detail.

(3) Write a short note on OCR and OMR.

(4) Explain different characteristics of computer.

Q.5 Answer the following. (Any 4) (16)

(1) $(11010011)_2 = (?)_{16}$

(2) $(1670)_8 = (?)_{10}$

(3) $(2A3B)_{16} = (?)_8$

(4) $(66)_{10} = (?)_2$

(5) $(576)_8 = (?)_2$

(6) Add binary numbers $(100111)_2$ and $(11011)_2$ in both decimal and binary forms

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