



MBD-0031041003

Seat No. _____

B. Sc. (IT) (Sem. I) (CBCS) Examination

November / December – 2016

**CS - 03 : Computer Fundamental &
Emerging Technology**

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Q.1 (A) Answer the following** **4**
1. EPROM stands for _____
 2. SSI stands for _____.
 3. The combination of the north and south bridge in a computer is called chipset?(TRUE/FALSE)
 4. Hybrid computer are based on the best featured of analog and digital computers.(TRUE/FALSE)
- Q.1 (B) Answer the following (Any 1 out 2)** **2**
1. What is compute?
 2. What is analog computer?
- Q.1 (C) Answer the following (Any 1 out 2)** **3**
1. Explain First Generation Computer.
 2. Explain different cables used in computer system.
- Q.1 (D) Answer the following (Any 1 out 2)** **5**
1. List out characteristics of computer and explain any three.
 2. Explain Serial port and parallel port.
- Q.2 (A) Answer the following** **4**
1. Keyboard isan input device? (TRUE/FALSE)
 2. Seek time meaning "The time taken for a disk drive to locate the area on the disk where the data to be read is stored".(TRUE/FALSE)
 3. OCR stands for _____.
 4. Size of DVD is _____.
- Q.2 (B) Answer the following (Any 1 out 2)** **2**
1. What is input device?
 2. Explain Light Pen and Trackball Devices.
- Q.2 (C) Answer the following (Any 1 out 2)** **3**
1. Write a note on storage mechanism of magnetic storage device.
 2. Explain MIDI keyboard and wireless devices.

Q.2 (D) Answer the following (Any 1 out 2) 5

1. Explain types of scanner.
2. Give Detail about Reading/ writing data to and from storage devices.

Q.3 (A) Answer the following 4

1. CRT Stands for _____.
2. An impact printer makes contact with the paper. It usually forms the print image by pressing an inked ribbon against the paper using a hammer or pins.(TRUE/FALSE)
3. Google Glass is packed with Bluetooth, Wi-Fi, GPS, speakers, a camera, microphone, touchpad and possibly a gyroscope that detects head-tilts.(TRUE/FALSE)
4. Plasma Display used small cells containing _____ Gases.

Q.3 (B) Answer the following (Any 1 out 2) 2

1. What is SGD(Speech Generating Device)?
2. What is Google Glass?

Q.3 (C) Answer the following (Any 1 out 2) 3

1. Explain LCD Monitor
2. Explain Dot Matrix Printer.

Q.3 (D) Answer the following (Any 1 out 2) 5

1. Explain NON IMPACT Printer.
2. Explain Plotter.

Q.4 (A) Answer the following 4

1. $369_{10} = \underline{\hspace{2cm}}_2$
2. $1100101_2 - 100111_2 = \underline{\hspace{2cm}}_2$
3. $1986_{10} = \underline{\hspace{2cm}}_2$
4. "Machine dependent" its limitation of machine language.(TRUE/FALSE)

Q.4 (B) Answer the following (Any 1 out 2) 2

1. Give full form of MB, GB, TB, HB
2. Explain Assembler.

Q.4 (C) Answer the following (Any 1 out 2) 3

1. Explain Batch Operating system.
2. Explain Assemble language.

Q.4 (D) Answer the following (Any 1 out 2) 5

1. Convert $1000101_2 - 100011_2 = \underline{\hspace{2cm}}$ Using 2's Complement method
2. Explain High Level language.

Q.5 (A) Answer the following 4

1. WIFI stand for _____.
2. UPS stand for _____.
3. A computer virus is a computer program that can copy itself and infect a computer without permission or knowledge of the user.(TRUE/FALSE)
4. Which standard Wi-Fi networks used?

Q.5 (B) Answer the following (Any 1 out 2) 2

1. What is GSM?
2. What is virus?

Q.5 (C) Answer the following (Any 1 out 2) 3

1. What is cloud computing?
2. Explain types of virus.

Q.5 (D) Answer the following (Any 1 out 2) 5

1. Explain Backup and restore.
 2. Explain Bluetooth and infrared technology.
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