

P.G.D.C.A Semester - 1 (CBCS) Examination
Nov/Dec-2023 (SYLLABUS YEAR JUNE-2023)
Comp. Fundamentals & Emerging Tech. (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
-

- Que-1(A) Answer following questions. (04)
1. Give full form of DRAM.
 2. Give full form of SATA.
 3. ____ device is used in Second Generation Computers.
 4. Give full form of EEPROM.
- Que-1(B) Answer Any Two. (10)
1. Explain Generation of Computer.
 2. Write short note on Secondary Storage Device.
 3. Explain types of Cables.
 4. Explain types of ROM.
- Que-2(A) Answer following questions. (04)
1. Give full form of SGD.
 2. Give full form of FAX.
 3. ____ printer will make noise whereas ____ printer do not make noise.
 4. Give full form of OLED.
- Que-2(B) Answer Any Two. (10)
1. Write short note on types of Printers.
 2. Write short note on types of Monitor.
 3. Explain following Input Devices:
Camera, POS, MIDI, Light Pen, Touch Screen
 4. Explain SGD, COM and Google Glass.
- Que-3(A) Answer following questions. (04)
1. ____ is a circular path on the surface of a disk or diskette on which information is magnetically recorded and from which recorded information is read.
 2. On multiple-platter disks, the ____ is the sum total of every track with the same track number on every surface.
 3. ____ the time taken for a disk drive to locate the area on the disk where the data to be read is stored.
 4. ____ storage device read/write data in sequentially.
- Que-3(B) Answer Any Two. (10)
1. Write short note on Floppy Disk and Hard Disk.
 2. Explain storage mechanism of magnetic storage devices.
 3. Explain CD, DVD, Blue Ray Disk.
 4. Explain Flash Memory and Cloud Storage.
- Que-4(A) Answer following questions. (04)
1. 1 Nibble = ____ bits.
 2. 1 TB = ____ GB
 3. ____ bit is used for error detection.
 4. In signed number, ____ bit represent sign of a number whether it is negative or not.

- Que-4(B) Answer Any Two. (10)
1. Explain Binary addition and subtraction with example.
 2. Explain Binary to Octal, Decimal and Hexadecimal conversion with example.
 3. Explain types of Codes.
 4. Explain Binary, Octal and Hexadecimal numbering system.
- Que-5(A) Answer following questions. (04)
1. Give full form of GSM.
 2. Give full form of VOLTE.
 3. _____ is for short-range wireless voice and data communication. It is a wireless technology.
 4. _____ is a wireless communication technology which utilizes light to transmit data and position between devices.
- Que-5(B) Answer Any Two. (10)
1. Explain types of Virus and its prevention techniques.
 2. What is Block Chain? Explain building blocks of Block Chain Technology.
 3. What is Cloud Computing? Explain Service model of Cloud Computing.
 4. What is Cyber Security? Explain Basic Cryptography.
