

P.G.D.C.A Semester - 1 (CBCS) Examination**Nov/Dec-2023 (SYLLABUS YEAR JUNE-2018)****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. Figures to the right indicate marks.
 2. All questions are compulsory.
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Que.1(A) Answer following Questions. (03)

1. Full form of SATA is.....
2. Full form of UPS is.....
3. List out electronic component used in first to fourth generation computer.

Que.1(B) Answer Any Two. (06)

1. Explain digital, analog and hybrid computers.
2. Explain types of processors.
3. Explain types of cables.
4. Explain Graphic card, Network Card, Sound Card.

Que.1(C) Answer Any One. (05)

1. Write short note on Types of memory.
2. Explain output devices.

Que.2(A) Answer following Questions. (03)

1. In _____ output device, Microfilm containing information that has been generated or stored by a computer and that has been written directly to film without the use of an intermediary paper printout.
2. is full form of OLED.
3. is full form of MIDI.

Que.2(B) Answer Any Two. (06)

1. Explain types of scanners.
2. Explain types of monitors.
3. Explain Plotters.
4. Explain headphone and google glass.

Que.2(C) Answer Any One. (05)

1. Write short note on printers.
2. Write short note on input device.

Que.3(A) Answer following Questions. (03)

1. List out magnetic storage devices.
2. is the smallest physical storage unit on hard disk.
3. is the time taken for a disk drive to locate the area on the disk where the data to be read.

Que.3(B) Answer Any Two. (06)

1. Explain flash memory and cloud storage.
2. Explain how to read and write data on storage device.
3. Explain Rotational Latency time, Access time, Response time.
4. Explain CD, DVD and Blue ray disk.

Que.3(C) Answer Any One. (05)

1. Explain with figure: storage mechanism of magnetic storage device.
2. Write short note on types of magnetic storage device.

- Que.4(A) Answer following Questions. (03)
1. 1 Nibble = _____ Bits.
 2. State base for Binary, Octal, Decimal, Hexadecimal number system.
 3. A _____ is a check bit, which is added to a block of data for error detection purposes.
- Que.4(B) Answer Any Two. (06)
1. Explain Binary Addition with example.
 2. Explain with Example: Binary to Decimal and Decimal to Binary.
 3. Explain Translators.
 4. Explain High Level Languages.
- Que.4(C) Answer Any One. (05)
1. Write short note on Online and real time OS.
 2. Explain subtraction with 1's complement and 2's complement.
- Que.5(A) Answer following Questions. (03)
1. Give full form of GPS.
 2. is universal for short-range wireless voice and data communication.
 3. Give full form of LiFi.
- Que.5(B) Answer Any Two. (06)
1. Explain Communication Devices.
 2. Explain problems and protections from Virus.
 3. Explain service models of Cloud Computing.
 4. Explain Origin and History of Virus.
- Que.5(C) Answer Any One. (05)
1. What is Cloud Computing? Explain Architecture of Cloud Computing.
 2. Write short note on Types of Virus.
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