

P.G.D.C.A Semester - 1 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2023)
Comp. Fundamentals & Emerging Tech. (Core (New-23))

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

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

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- Que-1 (A) Answer the following: (04)
- 1) True/False: Data → Process → Information represents the Data Processing Cycle.
 - 2) Fill in the blank: A computer that processes both analog and digital signals is called a _____ computer.
 - 3) True/False: The first generation of computers used vacuum tubes.
 - 4) Fill in the blank: The part of a computer that performs calculations and logical operations is the _____.
- Que-1 (B) Answer any two of the following: (10)
- 1) Explain the characteristics of a computer.
 - 2) Compare and contrast analog, digital, and hybrid computers.
 - 3) Discuss the evolution of computers from the first to the fifth generation.
 - 4) Describe the components and functions of the CPU.
- Que-2 (A) Answer the following: (04)
- 1) LCD full form_____.
 - 2) LED full form_____.
 - 3) MIDI full form_____.
 - 4) CRT full form_____.
- Que-2 (B) Answer any two of the following: (10)
- 1) Define and explain the types of monitors.
 - 2) Explain output devices.
 - 3) Explain Input devices.
 - 4) Explain all types of printer.
- Que-3 (A) Answer the following: (04)
- 1) CD full form.
 - 2) DVD full form_____.
 - 3) USB full form_____.
 - 4) Google drive is cloud storage: True/False.
- Que-3 (B) Answer any two of the following: (10)
- 1) Explain types of Magnetic storage devices.
 - 2) Explain process of reading and writing from storage devices.
 - 3) Explain CD,DVD and blu-ray Disk.
 - 4) Explain cloud stoarage.
- Que-4 (A) Answer the following: (04)
- 1) KB full form_____.
 - 2) GB full form_____.
 - 3) TB full form_____.
 - 4) ASCII full form_____.

Que-4 (B) Answer any two of the following: (10)

- 1) Explain steps to convert binary to octal
- 2) Explain types of languages.
- 3) Explain types of operating systems.
- 4) Explain types of code ASCII,BCD,UNI code.

Que-5 (A) Answer the following: (04)

1. GSP full form_____.
2. GSM full form_____.
3. WIFI full form_____.
4. VIRUS full form_____.

Que-5 (B) Answer any two of the following: (10)

- 1) Explain the fundamental concepts of blockchain technology.
- 2) Explain the concept of cloud computing and its service models (IaaS, PaaS, SaaS).
- 3) What are the major types of computer viruses, and how can they be prevented?
- 4) Discuss the significance of cyber security and the basic techniques used for data protection.
