

P.G.D.C.A Semester - 1 (CBCS) Examination**Nov/Dec - 2022 [NEW COURSE]****COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

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

Q-1 (A) Attempt Following [3]

- 1) _____ is a serial Communication physical interface through which information transfers in or out one bit at a time.
- 2) Give full form of HDMI
- 3) State full form of DDR.

Q-1 (B) Attempt any Two [6]

- 1) Explain different types of slots.
- 2) Explain types of ROM.
- 3) Explain classification of computer by data processed.

Q-1 (C) Attempt Any One [5]

- 1) Write short note on generations of computers.
- 2) Explain simple model of computer with block diagram.

Q-2 (A) Attempt Following [3]

- 1) State full form of MIDI
- 2) What is Google Glass?
- 3) What is POS?

Q-2 (B) Attempt any Two [6]

- 1) Explain types of Scanner.
- 2) Explain difference between impact and non impact printer. Explain any one impact and one non impact printer.
- 3) Explain FAX and SGD.

Q-2 (C) Attempt Any One [5]

- 1) Write short note on types of monitors.
- 2) Write short note on types of input devices.

Q-3 (A) Attempt Following [3]

- 1) A disk drive _____ is a circular path on the surface of a disk on which information is magnetically recorded and from which recorded information is read.
- 2) _____ disk drive does not have any mechanical read/write head so there will not be any crash into disk surface.
- 3) Give full form of DVD.

Q-3 (B) Attempt any Two [6]

- 1) Explain magnetic tape.
- 2) Explain storage mechanism of Magnetic Storage Device
- 3) Explain USB and Cloud storage.

Q-3 (C) Attempt Any One [5]

- 1) Write short note on Types of Magnetic Storage Device.
- 2) Explain CD, DVD and Blue Ray Disk.

Q-4 (A) Attempt Following [3]

- 1) Give full form of EBCDIC.
- 2) The _____ is added to a group of bits that are moved together. This bit is used only for the purpose of identifying whether the bits moved arrived successfully.
- 3) In _____ OS, time is critical content.

Q-4 (B) Attempt any Two [6]

- 1) Explain Binary addition and subtraction.
- 2) Explain parity check.
- 3) Explain Multiprocessing OS.

Q-4 (C) Attempt Any One [5]

- 1) Write short note on types of languages.
- 2) Write short note on Decimal to binary, octal and hexadecimal.

Q-5 (A) Attempt Following [3]

- 1) Give full form of VoLTE.
- 2) _____ is a small software program that spreads from one computer to another computer and that interferes with computer operation. It may corrupt or delete data on a computer, use an e-mail program to spread the virus to other computers, or even delete everything on the hard disk.
- 3) _____ is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.

Q-5 (B) Attempt Any Two [6]

- 1) Explain GPS.
- 2) Explain how to protect computer system from virus.
- 3) How can one manage security and privacy on cloud?

Q-5 (C) Attempt Any One [5]

- 1) Write short note on types of virus.
- 2) Explain characteristics and services of cloud computing.