P.G.D.C.A. (CBCS) (Sem. I) Examination

August / September - 2020

CS-01 : Computer Fundamentals & Emerging Technology

(New Course)

Faculty Code : 003

Subject Code : 1021001

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1 (A) Objective type questions: **4**

    (1) _____ is called the "Grand Father" of the computer.

    (2) RAM is _____ type of storage device.

    (3) Full form of PROM.

    (4) Computer's I.Q. is _____.

  (B) Attempt any **one** out of two : **2**

    (1) Write in detail on for Digital Computers.

    (2) Write note on Graphic Cards.

  (C) Attempt any **one** out of two : **3**

    (1) Explain Block Diagram of Computer.

    (2) Explain types of Port.

  (D) Attempt any **one** out of two : **5**

    (1) Explain Generation of the Computer.

    (2) Short Note on Data Processing cycle of computer.

2 (A) Objective type questions: **4**

    (1) Full form of MIDI Keyboard.

    (2) What is Response Time?

    (3) Full form of MICR.

    (4) Full form of OBR.

  (B) Attempt any **one** out of two : **2**

    (1) Write a note on Storage Mechanism of Magnetic Storage Devices.

    (2) Explain wireless Devices.

(C) Attempt any one **one** of two :   3

    (1) Explain External Storage Devices.

    (2) Write process of Reading Data to Storage Devices.

(D) Attempt any **one** out of two :   5

    (1) Expiain types of internal storage devices.

    (2) Explain types of Scanner.

3 (A) Objective type questions :   4

    (1) Full form of CRT.

    (2) Full form of OLED.

    (3) Uses of Plotters.

    (4) Headphone is an Input Device. (TRUE/FALSE).

  (B) Attempt any **one** out of two :   2

    (1) Write a note on Non CRT display Units.

    (2) Explain Plasma Displays in detail.

  (C) Attempt any **one** out of two :   3

    (1) Write a note on SGD (Speech Generating Device).

    (2) Explain Google Glass.

  (D) Attempt any **one** out of two :   5

    (1) Write a note on Impact and Non Impact Printers.

    (2) List Types of Output Devices and explain any four Output Devices in detail.

4 (A) Objective type questions: 4

    (1) Size of Nibble in bit.

    (2) What is Parity Bit?

    (3) Binary number (10112) converts in octal number _____.

    (4) Full form of EBCDIC.

  (B) Attempt any **one** out of two :   2

    (1) Conversion binary to Hexa-Decimal

      (a) 100101

      (b) 101101

    (2) Conversion Decimal to binary

      (a) 8569

      (b) 5689

(C) Attempt any **one** out of two :   3
  (1) Explain BCD in detail.
  (2) Conversion Hexa-Decimal to Decimal
    (a) 5A89
    (b) 9B52
    (c) AB56

(D) Attempt any **one** out of two :   5
  (1) Write a note on Types of Numbering System.
  (2) Explain Binary Arithmetic in detail.

5 (A) Objective type questions: 4
  (1) What is Assembler?
  (2) Uses of Compiler.
  (3) Full form of COMA.
  (4) Full form of GSM.

(B) Attempt any **one** out of two :   2
  (1) Write a note on Batch Operating System.
  (2) Explain Modem.

(C) Attempt any **one** out of two :   3
  (1) Explain High Level Language.
  (2) Uses of GSM in detail.

(D) Attempt any **one** out of two :   5
  (1) Explain Time Sharing Operating System with example
  (2) Explain Types of Virus in detail.

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