DCT-003-1021001 Seat No. _____

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

August - 2022

CS-01 : Computer Fundamentals and Emerging Technology

Faculty Code : 003

Subject Code : 1021001

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

Instruction : Attempt any Five questions.

1 (A) Attempt following Questions :   4
       (1) Data processing cycle is _____.
       (2) ROM Stands for _____.
       (3) USB Stands for _____.
       (4) CU Stands for _____.
   (B) What is Digital Computer?   2
   (C) Explain Micro Computer.   3
   (D) Explain Types of Processor.   5

2 (A) Attempt following Questions :   4
       (1) First Generation computer time period?
       (2) RAM Stands for _____.
       (3) CPU Stands for _____.
       (4) ALU Stands for _____.
   (B) Definition of Computer.   2
   (C) Explain Mini Computer.   3
   (D) Explain First and Four Generation computer.   5

3 (A) Attempt following Questions :   4
       (1) HDD Stands for _____.
       (2) MICR Stands for _____.
       (3) OBR Stands for _____.
       (4) What is the use of Google Drive?

(B) What is Touch Screen? 2

(C) Explain Seek Time and Response Time. 3

(D) List out Input devices and explain any one in brief. 5

4 (A) Attempt following Questions : 4
  (1) POS Stands for _____.
  (2) CD Stands for _____.
  (3) MIDI Stands for _____.
  (4) OCR Stands for _____.

(B) What is input device? 2

(C) Explain Tracks and sectors in Magnetic Storage devices. 3

(D) List out Types of magnetic storage devices and explain any one. 5

5 (A) Attempt following Questions : 4
  (1) The output shown on the computer monitor is called _____.
  (2) LED Stands for _____.
  (3) SGD Stands for _____.
  (4) The printed output from a computer is called _____.

(B) What is Output device? 2

(C) Explain CRT display unit. 3

(D) List out Output devices and explain any one in brief. 5

6 (A) Attempt following Questions : 4
  (1) COM Stands for _____.
  (2) The two's complement in binary system is useful for expressing _____.
  (3) The sum of weights in self complementing BCD code must be _____.
  (4) How many pins were in the early dot-matrix print heads?

(B) What is Sign Bit? 2

(C) Explain Assembler and Compiler. 3

(D) List out Types of Non-Impact Printers and explain any one. 5

7 (A) Attempt following Questions : 4
  (1) The parity bit is added for which purpose?
  (2) BCD Stands for _____.
  (3) TB Stands for _____.
  (4) LCD Stands for _____.

(B) What is Google Glass? 2

	(C)	Explain Dot Matrix Printer.	3
	(D)	$(1011)_2 - (0111)_2 = (?)_2$ Using 2nd Complement methods.	5

8   (A)   Attempt following Questions :   **4**
      (1)   CRT Stands for _____.
      (2)   Binary coded decimal (BCD) numbers express each digit is a _____.
      (3)   The decimal equivalent of binary number 0.0101 is _____.
      (4)   Hexadecimal numbers are a mixture of _____.

    (B)   What is Unicode?   **2**
    (C)   Explain Batch Operating system.   **3**
    (D) $(1010)_2 - (0101)_2 = (?)_2$ Using 2nd Complement methods.   **5**

9   (A)   Attempt following Questions :   **4**
      (1)   DPI Stands for _____.
      (2)   CDMA Stands for _____.
      (3)   GSM Stands for _____.
      (4)   PPM Stands for _____.

    (B)   What is Modem?   **2**
    (C)   Explain Shutdown, Restart and Reboot.   **3**
    (D)   Explain Optical Fiber.   **5**

10   (A)   Attempt following Questions :   **4**
      (1)   GIS Stands for _____.
      (2)   GPS Stands for _____.
      (3)   WIFI Stands for _____.
      (4)   UPS Stands for _____.

    (B)   What is Net Meeting?   **2**
    (C)   Explain Types of Virus.   **3**
    (D)   Explain Backup and Restore.   **5**

_____