DC-003-003109 Seat No. _____

B. C. A. (Sem. I) Examination

March - 2022

CS-03 : Computer Fundamentals & Emerging Technology

(Old Course)

Faculty Code : 003
Subject Code : 003109

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

Instructions : (1) All questions carry equal marks.
(2) Attempt any five questions.

1   What is computer ? Explain all types of computer in detail.   **14**

2   Write a note on types of computer.   **14**

3   Define operating system. Explain all types of operating system   **14**
in detail.

4   Write notes on :   **14**
(1) BlueTooth
(2) Wi-Fi

5   Attempt the following :   **14**
(1) CDMA
(2) GSM

6   Attempt the following :   **14**
(1) Explain Keyboard and Light Pen.
(2) Explain all types of optical scanner.

7   Attempt the following :   **14**
(1) List out computer languages. Explain it in detail.
(2) Explain compiler, assembler and interpreter.

8 Attempt the following :   **14**
    (1) Explain RAM (with architecture).
    (2) Explain all types of read-only memory.

9 Attempt the following :   **14**
    (1) Addition of two numbers :
        (a) 110011101 + 100111001
        (b) 110111001 + 101011110
    (2) Convert :
        (a) Hexadecimal to octal : AF698
        (b) Decimal to Binary : 98756
        (c) Convert into 2's complement : 110111001.

10 Explain Printer with its types in detail.   **14**

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