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

November / December – 2017

CS - 3 : Computer Fundamentals And Emerging Technology

(Old Course)

Faculty Code : 003
Subject Code : 003103

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

1   Answer the following :   **20**

    (1)   OBR stands for _____

    (2)   CRT stands for _____

    (3)   LCD stands for_____

    (4)   RAM stands for_____

    (5)   EEPROM stands for _____

    (6)   USB stands for _____

    (7)   GIS stands for _____

    (8)   GPS stands for _____

    (9)   CDMA stands for _____

    (10) GSM stands for _____

    (11) Which of the following terms is the most closely related to main memory?

    (12) _____ is the brain of any computer system.

    (13) The computer that process both analog & digital is called _____.

    (14) Magnetic Tape is not a primary storage device? (True/False)

    (15) Daisy wheel printer is a type of _____ printer.

(16) Modern computer are very reliable but they are not
_____.

(17) A computer program that converts an entire program
into machine language is called a/an _____

(18) OCR stands for _____

(19) OMR stands for _____

(20) MICR stands for _____

2   (A) Attempt Any **Three**:   6

(1) What is Cache Memory?

(2) What is Compiler?

(3) What is Antivirus?

(4) What is Hot Spot?

(5) What is Remote Sensing?

(6) What-is Operating System?

(B) Attempt Any **Three** :   9

(1) Explain OCR & OMR.

(2) Explain RAM with architecture.

(3) Explain CD & DVD

(4) Explain Machine level language.

(5) Explain Batch Operating System.

(6) Explain Duplex with types.

(C) Attempt Any **Two** :   10

(1) Explain optical fiber.

(2) Explain cell phone frequency, network channel.

(3) Explain Bluetooth.

(4) Explain Ports in detail.

(5) Explain CRT & LCD display.

3 (A) Attempt Any **Three** : 6

    (1) What is Computer?

    (2) List out characteristics of computer.

    (3) List out types of Digital Computer.

    (4) $(1511)_{10} = (\quad)_2$

    (5) $(10111)_2 = (\quad)_{16}$

    (6) What is bit?

(B) Attempt Any **Three** : 9

    (1) Explain Micro Computer.

    (2) Explain Second generation computer.

    (3) Describe 2s complement method.

    (4) Explain ASCII, BCD Where & why these codes are used?

    (5) What is nibble bit?

    (6) $(303)8 = (\quad)_2 (\quad)_{10} (\quad)_{16}$

(C) Attempt Any **Two** : 10

    (1) Explain Block diagram of computer system.

    (2) Explain any five characteristics of computer.

    (3) Explain Analog & Hybrid computer.

    (4) $(10011)_2 - (101)_2$ using 1's and 2's complement method.

    (5) What is input device? Explain any two devices.

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