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

November / December – 2016

CS - 03 : Computer Fundamental & Emerging Technology

(Old Course)

Faculty Code : 003
Subject Code : 003109

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

1   Answer the following questions :   **20**

[1]   What is the extension of MS-Excel 2003 ?

[2] 67_8 convert into binary.

[3]   BCD stands for,

[4]   What is CRT ?

[5]   PDP stands for,

[6]   Computer only understood one language by the computer without using a translation program is called

[7]   The EDVAC was developed by Charles Babbage. [True/False]

[8]   The _____ unit does not perform any processing, but it coordinates the different units and direct to an entire computer system.

[9]   What is sector ?

[10]   110110112 convert into Hexadecimal number system.

[11]   What is data bus ?

[12]   The, Impact printers produce printed output as patterns generated by the laser beam. [True/False]

[13]   Which storage media is sequentially access and process ?

[14]   Which operating system can handle more than one program in main memory at a time ?

[15] _____ Scanner is capable of recognizing a pre specified type of mark.

[16] What is fiber optics cable ?

[17] FCFS stands for,

[18] What is Blue tooth ?

[19] EEPROM stands for,

[20] A compiler is a translating program that translates the instructions of a high-level language into a machine language. [True/False]

2 [A] Answer the following questions : [any three] 6

    [1] What is computer ?

    [2] What is VDU ?

    [3] Full form of : MICR & DPI

    [4] $11001_2 + 10001_2 =$

    [5] What is Cluster ?

    [6] What is hard copy and soft copy ?

[B] Answer the following questions : [any three] 9

    [1] Explain types of CD.

    [2] Explain Advantages of 2nd Generation of computer.

    [3] Explain Binary Number System.

    [4] Write a note on Camera.

    [5] Write a note on Analog computer.

    [6] Explain POS.

[C] Answer the following questions : [any two] 10

    [1] Explain characteristics of computer.

    [2] Explain data processing cycle.

    [3] Explain Joystick and Light Pen.

    [4] Explain ASCII and BCD.

    [5] Differentiate: DVD v/s Blu-Ray disk.

3 [A] Answer the following questions : [any three] **6**

    [1] What is Seek time and Response time ?

    [2] What is MODEM ?

    [3] What is Bit and Byte ?

    [4] What is assembler ?

    [5] What is database ?

    [6] 351_{10} convert into binary number.

[B] Answer the following questions : [any three] **9**

    [1] Write a note on online and real time operating system.

    [2] Explain Keyboard.

    [3] Explain mechanical mouse and optical mouse.

    [4] Write a note on OBR and OCR.

    [5] Explain Memory slot and PCI slot.

    [6] Explain LCD.

[C] Answer the following questions : [any two] **10**

    [1] Differentiate : Compiler V/s. Interpreter

    [2] Explain Hard disk.

    [3] What is Impact printer ? List impact printer types and explain any one.

    [4] Explain Time sharing operating system and Batch operating system.

    [5] Explain GSM and GPS.