B. Sc. (I.T.) (Sem. I) (CBCS) Examination

November / December – 2017

CS - 03 : Foundation in Information Technology

(Old Course)

Faculty Code : 003

Subject Code : 004103

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

1 Attempt the following :   **20**

(1) Combination of analog and digital computer is called ?

(2) What is web browser ?

(3) What is full form of EEPROM ?

(4) Which device is used in first generation ?

(5) What is full form of MICR ?

(6) Joystick is which type of device ?

(7) What is full form of USB ?

(8) What is full form of EBCDIC ?

(9) What is full form of TCP/IP ?

(10) What is full form of LCD ?

(11) What is full form of HTML ?

(12) What is full form of DVD ?

(13) What is full form of RAM ?

(14) What is high level language ?

(15) What is web search engine ?

(16) Laser printer is which type of printer ?

(17) What is full form of ASCII ?

(18) What is full form of MS-DOS ?

(19) What is E-mail ?

(20) What is Compiler ?

2   (a)   Attempt any **three** :   **6**

         (1)   Difference between data and information.

         (2)   What is Software? Types of software?

         (3)   What is Plotter ?

         (4)   Diffrence between RAM and ROM.

         (5)   What is memory? Types of memory ?

         (6)   Write about binary addition and subtraction with example.

   (b)   Attempt any **three** :   **9**

         (1)   Convert $(11101)_2$ = (_____)$_{10}$.

         (2)   Convert $(10101)_2$ = (_____)$_8$.

         (3)   Convert $(12345)_{10}$ = (_____)$_2$.

         (4)   Convert $(30071)_8$ = (_____)$_{10}$.

         (5)   Convert $(2D5)_{16}$ = (_____)$_{10}$.

         (6)   Convert $(1792)_{10}$ = (_____)$_8$.

   (c)   Attempt any **two** :   **10**

         (1)   Explain block diagram of computer.

         (2)   What is Computer ? Explain characteristic of computer.

         (3)   Explain types of computer.

         (4)   Explain generation of computer.

         (5)   Explain different types of languages.

3   (a)   Attempt any **three** :   **6**

         (1)   Difference between mainframe computer and super hybrid computer.

         (2)   Difference between zip drive and pen drive.

         (3)   What is operating system ?

         (4)   What is linux ?

         (5)   What is software ?

         (6)   What is window system ?

(b) Attempt any **three** :   9

    (1) Explain 1's compliments and 2's complements with example.

    (2) What is 2' complements of binary digits 00101100?

    (3) Explain any three types of inputs devices.

    (4) What is global network? Explain host and terminal.

    (5) Explain digital computer, mini computer and micro computer.

(c) Attempt any **two** :   10

    (1) Explain types of display units.

    (2) Explain types of printers.

    (3) Explain types of scanner.

    (4) Explain magnetic disk and magnetic tape.

    (5) What is Port? Explain difference types of ports.

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