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

November / December – 2017

BSCA - 101 : Computer Fundamentals & Programming in C

(Old Course)

Faculty Code : 003
Subject Code : 001107

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

1   Attempt following :   **20**

    (1)   _____ holds the ROM, CPU, RAM and expansion cards.

    (2)   One nibble consists of _____ bits.

    (3)   A step by step procedure used to solve a problem is called _____.

    (4)   _____ bytes are occupied by an unsigned in data type.

    (5)   The continue statement can be used with _____.

    (6)   The internet access using Dial-Up connection method can have maximum speed of _____.

    (7)   _____ Performs modulation and demodulation.

    (8)   _____ is % code for float data type in C.

    (9)   IPR stands for _____.

    (10)   _____ statement is used to terminate a loop in between.

    (11)   _____ branch of philosophy deals with computing related moral dilemmas.

    (12)   Vacuum tube and punched cards characterizes _____ generation of computers.

    (13)   Borrowing a software so you can copy is _____.

    (14)   EEPROM stands for _____.

    (15)   MICR stands for _____.

(16) _____ is exit control loop in C.

(17) ISDN stands for _____.

(18) ++ is _____ operator.

(19) += is called _____ operator.

(20) ALU stands for _____.

2 Answer the following : (any **four**)   **20**

    (1) What is Dry run ? Explain Preprogramming techniques in detail.

    (2) What are the negative effects of internet to the society? Discuss possible solutions.

    (3) Write a short note on Fiber Optic cable.

    (4) Write a program to generate and display sum of digits of a given number.

    (5) Write a short note on looping structures of C.

3 Answer the following : (any **four**)   **20**

    (1) Write a short note on internet connections methods.

    (2) Write a short note on input device.

    (3) Explain all branching statement available in C.

    (4) Discuss impact of IT on language and culture localization issues.

    (5) Explain all data types available in C with their size and range.

4 Answer following : (any **five**)   **10**

    (1) What is Software privacy ?

    (2) What are preprocess in C ?

    (3) Explain Increment and Decrement Operators.

    (4) Write a program to explain work of continue.

    (5) What are cyber addictions ?

    (6) What is instructions format ?

    (7) What is header file ?

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