



BBH-003-001107 Seat No. _____

B. Sc. (Sem. I) Examination

July - 2021

**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 the 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 int 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** (a) Answer any three : **6**
- (1) What is Software privacy ?
 - (2) What are pre-processors in C ?
 - (3) Explain Increment and Decrement Operators.
 - (4) Explain break and continue.
 - (5) Explain Wi-Fi.
 - (6) What is free Software movement ?
- (b) Answer any three : **9**
- (1) What is Dry Run ? Explain Pre-Programming techniques in detail.
 - (2) Write a short note on Fiber Optic cable.
 - (3) Write a program to generate and display sum of digits of a given number.
 - (4) What is Scanner ? Explain any two types of scanner.
 - (5) Discuss classification of computers.
 - (6) Explain Switch.
- (c) Answer any two : **10**
- (1) What are the negative effects of internet to the society ? Discuss possible solutions.
 - (2) Write a short note on looping structures of C.
 - (3) Write a short note on Storage.
 - (4) Discuss concept of IPR in detail.
 - (5) Explain all output devices.
- 3** (a) Answer any three : **6**
- (1) What are cyber addictions ?
 - (2) What is instruction format ?
 - (3) What is header file ?
 - (4) What are cyber threats ?
 - (5) What is RAM ?
 - (6) Explain any two library function of <studio.h>.

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

- (1) Explain goto statement.
- (2) Write a short note on Printer.
- (3) What is error ? Explain types of errors.
- (4) Discuss guidelines for proper usage of computers, internet and mobile phones.
- (5) Discuss issues and concerns of IT & Society.
- (6) What is Software Privacy ?

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

- (1) Write a short note on internet connection methods.
 - (2) Write a short note on Input Devices.
 - (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.
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