



**B.Sc. I Semester Degree Examination, March/April - 2023**

**COMPUTER SCIENCE**

**Computer Fundamentals and Programming in 'C'**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

1. Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**
- (a) Define Computer.
  - (b) Expand BCD & ASCII.
  - (c) Write any 2 features of 'C'.
  - (d) List the formatted input output statements.
  - (e) What is an Expression ?
  - (f) Write symbols for Increment & Decrement operators.
  - (g) Mention any 2 character handling functions.
  - (h) Define Pointer.
  - (i) Write general syntax of Structure.
  - (j) Define Union.

**SECTION - B**

Answer **any four** of the following. Each question carries **five** marks.

**4x5=20**

- 2. Define flowchart. Write symbols used in flowchart.
- 3. Briefly explain C - Tokens in C - Program.
- 4. What is an operator ? Explain Relational and logical operators ?
- 5. Define an array. Explain types of arrays.
- 6. Write advantages & disadvantages of Pointer.
- 7. How do you declare a function ? Explain with suitable example.



**SECTION - C**

Answer **any three** questions. Each question carries **ten** marks.

**3x10=30**

8. (a) Define language Translator. Explain its types.  
(b) Convert
- (i)  $ABC_{(16)} = ?_{(10)}$
  - (ii)  $205.25_{(10)} = ?_{(2)}$
9. Explain Basic Structure of C - Language with example.
10. Define looping statements. Explain different types of loops with syntax, flowchart and example.
11. What is string ? Briefly explain any 4 string handling functions.
12. Briefly explain the categories of user defined functions with example ?

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