



**B.Sc. I Semester (NEP) Degree Examination, March/April - 2022**

**COMPUTER SCIENCE**

**Computer Fundamentals and Programming in C**

Time : 3 Hours

Maximum Marks : 60

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**Instruction :** Answer **all** the Questions.

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**SECTION - A**

1. Answer the following sub-questions, each sub-question carries **one** mark. **10x1=10**
- (a) Who is called as father of computer ?
  - (b) Define flowchart.
  - (c) What are the basic datatypes available in C ?
  - (d) Name any two tokens available in C.
  - (e) What is the difference between pre-tested and post-tested loop in C ?
  - (f) Write any two conditional statements in C.
  - (g) List down different types of arrays in C.
  - (h) Mention the operators that can be performed on pointer.
  - (i) Define function.
  - (j) Write down any two user defined datatypes in C.

**SECTION - B**

Answer **any four** of the following questions, each question carries **five** marks.

**4x5=20**

- 2. Explain any five important characteristics of computer.
- 3. With suitable example explain the basic structure of C.
- 4. Explain syntax and flowchart of if else statement with an example.
- 5. Discuss increment and decrement operators in C.



**P.T.O.**

6. Discuss the string handling functions of the following with suitable example.
- (a) Strlen( )
  - (b) Strcat( )
7. How do you declare a function ? Explain with suitable example.

### SECTION - C

Answer **any three** of the following questions, each question carries **ten** marks.

**3x10=30**

8. With a neat diagram explain the basic organisation of computer.
9. Explain the formatted and unformatted input and output statements in C.
10. (a) What is operator ? How do you classify operators in C.  
(b) Explain the arithmetic operators in C.
11. Define array with a suitable example. Explain one dimensional array.
12. What is structure ? Explain with an example.

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