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**NEPSA—4012—2025**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (NEP) (First Year) (Second Semester) EXAMINATION**

**APRIL/MAY, 2025**

**COMPUTER SCIENCE**

**(SCSCCT-1151)**

**(Programming in C Language-II)**

**(Monday, 21-4-2025)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :—* (i) Q. No. 1 is compulsory.

(ii) *All* questions carry equal marks.

(iii) Solve any *three* of the remaining five questions (Q. Nos. 2 to 6).

(iv) Figures to the right indicate full marks.

1. Solve the following questions : 10

(a) What is flowchart ? Explain.

(b) Explain Arithmetic operators in C.

(c) Explain while loop in C.

(d) Explain structure in C.

2. Solve the following questions : 10

(a) Explain the history of C programming.

(b) What is Algorithm ? Explain.

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3. Solve the following questions : 10
- (a) Explain data types in C.
  - (b) Explain C Tokens.
4. Solve the following questions : 10
- (a) Explain If-else statement in C.
  - (b) Write a program to print even numbers between 1 to 10.
5. Solve the following questions : 10
- (a) What is recursion ? Explain with example.
  - (b) What is union ? Explain with example.
6. Write short notes on (any *two*) : 10
- (a) Compilers and interpreters
  - (b) Console Input/output statements
  - (c) Arrays
  - (d) Function.

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