

Roll No. 25304 30033

**AH-6362**

**B. Sc. (Second Semester)**

**Discipline Specific Core Course (CSSC-02)**

**EXAMINATION, May-June, 2025**

**COMPUTER SCIENCE**

**(Programming in C++)**

*Time : Three Hours*

*Maximum Marks : 70*

**Note :** Section A is compulsory containing very short answer type questions and short answer type questions. Section B is containing descriptive type questions with internal choice.

**P. T. O.**

## Section-A

1. Answer the following objective type questions :

1×10=10

- (i) Who developed 'C' programming language ? Also write the year.
- (ii) How much keywords are used in 'C' language ?
- (iii) Write the for loop statement syntax used in 'C' language.
- (iv) Who and when developed C++ programming language ?
- (v) Write the definition of destructor.
- (vi) How much types of inheritance are available in C++ programming language ?
- (vii) Function overloading belongs to which object oriented properties ?
- (viii) fstream of file stream class is used for which file handling operations ?
- (ix) Write the name of keywords using using for exception handling.
- (x) Write the definition of Array.

2. Short answer type questions :

4×5=20

- (a) Write the structure of C language program.
- (b) Write the features of C++ programming language.
- (c) Write a C++ program to find out factorial value of any given number.
- (d) What is friend function ?
- (e) What is Template ?

### Section-B

**Note :** Answer the descriptive type questions. Attempt any *one* question from each unit.  $10 \times 4 = 40$

### UNIT—I

3. Write a 'C' language program to find out compound interest of given values.

*Or*

~~4.~~ Explain the operators using in 'C' language.

### UNIT—II

~~4.~~ Describe the structure of C++ program

*Or*

Discuss about constructor.

**UNIT—III**

5. What is inheritance ? Describe the types of inheritance.

*Or*

Describe the function overloading by giving suitable example.

**UNIT—IV**

6. Explain the file and stream classes.

*Or*

Explain the exception handling with example.

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