FACULTY OF SCIENCE
BSc II SEMESTER (CBCS R-19) EXAMINATIONS, AUG 2022
COMPUTER SCIENCE - II
PROGRAMMING IN C++

Time: 3 Hrs]   [Max. Marks: 80

SECTION - A (8 X 4 = 32 Marks)

1   **Answer any EIGHT questions**

a   Write about the basic structure of C++ program?

b   Discuss Array creation and initialization in C++ with suitable example

c   Discuss about merits and demerits of Object-Oriented Programming

d   Discuss about static members?

e   Explain about procedure of creating Object and accessing the members of a class with suitable example code in C++.

f   Define a friend Class? Explain with suitable example program

g   Define a destructor? Explain with suitable example program

h   Explain Single Inheritance with an example program.

i   Discuss usage of Super and This keywords in C++.

j   Write a program to read the data from a file.

k   Discuss Function templates with an example program

l   Write about in detail a list of standard exceptions in C++

SECTION – B (4 X 12 = 48 Marks)
Answer ALL questions

2 a Discuss about different types of conditional branching statements with suitable C++ Program.

OR

b Compare and Contrast the Call by Value and Call by Reference function calls with suitable examples.

3 a Discuss about the different types of Constructors with suitable examples.

OR

b Discuss about operator overloading in detail with suitable example program

4 a Discuss in detail the Access specifiers limits with suitable example program.

OR

b Discuss in detail the constructors and destructors usage in Inheritance.

5 a What is exception? How exceptions can be handled in C++ discuss in detail.

OR

b Discuss in detail the components of STL in C++.

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