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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2023

Semester: II 351CP14 OBJECT ORIENTED PROGRAMMING IN C++

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Explain the basic concept of object oriented programming. (8 Marks)
b) Explain the basic concept of c++ input and output function with example. (8 Marks)
c) Describe the idea of manipulator? (4 Marks)

2. a) Enlighten the fundamentals of c++ keywords. And list out ten (10) keyword. (5 Marks)
b) Explicate the concept of Selection Statement with example programs. (10 Marks)
c) Write a for loop program to print the even number from 1 to 20? And write its output. (5 Marks)

3. a) Discuss about the concept of parameter passing in function, syntax of parameter passing with an example program. (10 Marks)
b) Expand the types of constructors with an example. (10 Marks)

4. a) Write a C++ pointer program to swap two numbers. (10 Marks)
b) Explain the concept of hierarchical inheritance with an example program. (10 Marks)

5. a) Discuss about the basics of file handing and its library. (10 Marks)
b) Explain the concept of opening and closing of file with an example program. (10 Marks)

6. a) Explain the error handling during file operation with an example. (13 Marks)
b) Discuss the different types of file operation. (7 Marks)

7. a) Give a brief explanation about function and function declaration. (8 Marks)
b) Write a short notes on Parameterized constructor with an example program. (8 Marks)
c) Describe about the concept of operator overloading. (4 Marks)