

H-6023

M.Sc. (II Semester) Examination, 2022

INFORMATION TECHNOLOGY

Paper – III

(Object Oriented Programming Concepts in C++)

Time Allowed: Three Hours

Maximum Marks: 70

Section-A

**Note:- Attempt any ten questions. Each question carries
one mark.**

Q.I. Objective Type Questions 1x10

1. OOPS stands for
2. Compiler converts.....language into
Language.
3. C++ code line ends in.....
4. The operator used as logical 'AND' is.....
5. An expression A.B in C++ means.....

(2)

6. The inventor of C++ is
7. Reusability of a code in C++ is achieved through.....
 - a. Polymorphism
 - b. Inheritance
 - c. Legacy
 - d. None of the above
8. In C++ members of a class are by default.
 - a. Public
 - b. Private
 - c. Universal
 - d. None of the above
9. In C++ inline functions are explained during:
 - a. Run Time
 - b. Compile Time
 - c. Six
 - d. Seven
10. Which of the following is not a correct variable type in C++:
 - a. Float
 - b. Real
 - c. Int
 - d. Double
11. A class whose objects can not be created is called a super class.
(State whether true or false).
12. A pointer pointing to a variable which is not initialized is
called a Null Pointer. **(State whether true or false).**

(3)

Section-B

Note:- Attempt any five questions. Each question carries two marks.

Q. II. Very Short Answer Type (25-30 Words) 2x5

1. Define class.
2. What is meant by file pointer?
3. Give examples of a logical operator and write its function.
4. What are the various types of data?
5. What is meant by compiling.
6. Write any two features of OOP.
7. Write the use of Float function.

Section-C

Note:- Attempt any five questions. Each question carries four marks.

Q.III. Short Answer Type (250 Words) 4x5

1. Describe the concept of "Keywords" w.r.t. C++.
2. Describe dynamic allocation operators.
3. Give a brief account on pointer.

(4)

4. Explain the structure of C++ Programme.
5. What a brief note on string I/O.
6. Describe abstract class.
7. Describe exception handling mechanism.

Section-D

Note:- Attempt any three questions. Each question carries ten marks.

Q.IV. Essay type (more than 500 Words) 3x10

1. What are constructors and destructors? Discuss various types of constructors.
2. What is inheritance? Explain operator overloading.
3. Give a detailed account on various types of operators and their functions
4. Discuss objects and class with appropriate examples.