



Seat No.  
00229.

BACHELOR OF SCIENCE (INFO. & TECH.) Examination  
BSCIT Semester - 3 DECEMBER 2024 ( Regular ) DECEMBER - 2024

CS-15: C++ AND OBJECT ORIENTED PROGRAMMING

Faculty Code : 003

Subject Code : 23SIBSIT-MA-03-05001

Time : 2 Hours]

[Total Marks : 50

- Q.1 (A) Answer the following.  
1. cout is inbuilt object of \_\_\_\_ class.  
2. \_\_\_\_ is extraction operator.  
3. Write full form of POP. 3
- Q.1 (B) Explain nested if with example. 2
- Q.1 (C) Explain function overloading with example. 5
- OR
- Q.2 (A) Answer the following.  
1. List out entry controlled looping statements.  
2. List out member dereferencing operators.  
3. \_\_\_\_ operator is known as output operator. 3
- Q.2 (B) Differentiate POP and OOP. 2
- Q.2 (C) Explain data types of C++. 5
- Q.2 (A) Answer the following.  
1. By default members of the class are \_\_\_\_\_.  
2. Constructor without argument is also known as \_\_\_\_\_.  
3. Constructor should be declared in \_\_\_\_ section of the class. 3
- Q.2 (B) Explain destructor with example. 2
- Q.2 (C) Explain friend function with example. 5
- OR
- Q.2 (A) Answer the following.  
1. Member functions are also known as \_\_\_\_\_.  
2. How many copy of the static member is created? [One for each object / Only one for all objects].  
3. Define local class. 3
- Q.2 (B) Explain array of objects with example. 2
- Q.2 (C) Write short note on constructor. 5
- Q.3 (A) Answer the following.  
1. What is the default visibility mode?  
2. unary operator overloaded through friend function, return \_\_\_\_ type of value.  
3. \_\_\_\_ is useful to convert basic type to class type. 3
- Q.3 (B) Explain class type to basic type conversion with example. 2

Q.3 (C) Write short note on operator overloading. OR

5

Q.3 (A) Answer the following.

3

1. Write full form of MIL.

2. A derived class which is also a base class for another derived class is known as \_\_\_\_\_.

3. A binary operator overloaded through member function takes \_\_\_\_\_ number of arguments.

Q.3 (B) Explain nested class with example.

2

Q.3 (C) Write short note on inheritance.

5

Q.4 (A) Answer the following.

3

1. Write full form of RTTL.

2. Pure virtual function is also known as \_\_\_\_\_.

3. \_\_\_\_\_ is the bit-field of ios::fixed.

Q.4 (B) Explain this pointer with example.

2

Q.4 (C) Write short note on virtual function.

5

OR

Q.4 (A) Answer the following.

3

1. What is stream?

2. \_\_\_\_\_ ios constant is useful to display + sign before positive number.

3. \_\_\_\_\_ is the bit-field of ios::hex.

Q.4 (B) Explain pointer to derived class with example.

2

Q.4 (C) Write short note on manipulators.

5

Q.5 (A) Answer the following.

3

1. \_\_\_\_\_ header file contains file handling classes.

2. \_\_\_\_\_ is the base class of fstreambase class.

3. Write full form of STL.

Q.5 (B) Explain try, catch and throw blocks.

Q.5 (C) Write a program that copy one file into another.

2

OR

5

Q.5 (A) Answer the following.

3

1. \_\_\_\_\_ function returns current position of get file pointer

2. Write code that set put file pointer position at end of the file.

3. List out components of STL.

Q.5 (B) Explain file opening modes.

2

Q.5 (C) What is template? Explain class template with example.

5