

5 MAR 2019

Seat no _____

Second Year B.Sc. (I.T.) Examination March/April 2019
Paper: Object Oriented Programming with C++
Paper Code: 201

Time 3.00 hrs	Subject Code: 8445	Total Marks: 100
Q-1	A) Discuss the concepts: POP & OOP.	10
	B) Define the following terms with syntax & example i) Constant ii) Main iii) cin iii) class iv) Manipulators	10
OR		
Q-1	A) What is C++? Explain the basic concepts of C++.	10
	B) Differentiate: POP v/s OOP.	10
Q-2	A) What is OOP? And explain its applications	10
	B) What is member function? Discuss with appropriate example.	10
OR		
Q-2	A) What is friend function? Discuss with appropriate example.	10
	B) Define class and objects with appropriate syntax example.	10
Q-3	A) What is operator overloading? And explain rules of operator overloading.	10
	B) Write a C++ program to overload unary ++(increment) operator	10
OR		
Q-3	A) What is type conversion? Explain all type conversion with suitable example.	10
	B) Write a C++ program to overload unary --(decrement) operator.	10
Q-4	A) Discuss concept of inheritance with all its types.	10
	B) Write a detailed note on virtual base class	10
OR		
Q-4	A) How you can implement the concept of constructor in derived classes	10
	B) Write a detailed note on abstract class.	10
Q-5	A) Write a detailed on file pointer.	10
	B) What is file? Explain opening and closing file with example.	10
OR		
Q-5	A) Define the following function with example: i) put() ii) get() iii) write() iv) read()	10
	B) Explain error handling.	10