

(06 Marks)

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## Third Semester B.E. Degree Examination, June/July 2019 Object Oriented Programming with C++

Time: 3 hrs. Max. Marks:100

Note: Answer FIVE full questions, selecting atleast TWO questions from each part.

b. What is function overloading? Write a C++ program to overload the function absorber return the absolute value of integer, long and double. (10)	Marks) Marks)
1 a. Define the terms encapsulation, polymorphism and inheritance. (06 b. What is function overloading? Write a C++ program to overload the function above return the absolute value of integer, long and double. (10	s(p) to Marks) Marks)
c. What is milite removed. Only the distantiangle of military	
2 a. What is class? Explain its general syntax.  b. Explain the parameterized constructor in C++ with an example.  c. Write a C++ program that makes use of static member variable to keep track of the number variable.	Marks) Marks) number Marks)
<ul> <li>b. Explain how to create generic function.</li> <li>c. What is operator overloading? Write a C++ program that users friend functions to overloading?</li> </ul>	Marks) Marks) verload Marks)
b. Explain how to access base class protected members by derived class with an example	Marks)
c. What is multiple inheritance? Write a C++ program to achieve multiple inheritance.	Marks)
b. Explain the mechanism of passing parameters to base class constructors. (04 c. What is virtual base class? Why virtual base classes are needed? Explain with an ex (10	Marks) Marks)
b. Explain how the virtual attribute is inherited with an example. (08	Marks) Marks) Marks)
b. Explain the following functions: i) width() ii) precision() iii) fill() iv) unsetf().	6 Marks) 6 Marks) 6 Marks)
A	8 Marks)

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Explain three types of STL containers.

What is map? Explain any 5 map member functions.

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.