

KIIT DEEMED TO BE UNIVERSITY, BHUBANESWAR

MIDSEM SUPPLEMENTARY EXAMINATION – 2019

OBJECT ORIENTED PROGRAMMING (XXXX)

Attempt any **FOUR** questions including Question Number 1 which is compulsory.

TIME: - 1.5 HOURS

F.M. - 20

Q. No.	Questions	Marks
1.	<ul style="list-style-type: none">a. What are objects? How do you create an object of an anonymous class?b. The terms method overloading and method overriding are equivalent concepts and can be used interchangeably. (T/F) Justify.c. Why are the words such as <i>cin</i> and <i>cout</i> not considered as keywords?d. Explain with example any two types of Inheritance.e. What is <i>this</i> pointer? Why it is used?	[1×5]
2.	<ul style="list-style-type: none">a. State at least four most important features of object-oriented programming. What are the advantages of object-oriented programming over procedure-oriented programming.b. Write a program in C++ for program to demonstrate example of multiple inheritance.	[2.5 x 2]
3.	<ul style="list-style-type: none">a. What do you mean by access specifier? What are the different types of access specifiers available in C++? Explain them with suitable examples.b. Create a class named circle with data member Radius (using constructor and destructor) Member functions:<ul style="list-style-type: none">a) to accept the radius from the userb) to calculate the area of the circlec) to display the details	[2.5×2]
4.	<ul style="list-style-type: none">a. Write down the differences between constructor and destructor. What is the need of default constructor?b. Create a class Complex, with data members {int Real, int Imag}. Write a C++ program for addition of two complex numbers.c.	[2.5×2]
5.	<p>Write short notes on any two:</p> <ul style="list-style-type: none">a. Copy Constructorb. Dynamic Bindingc. Namespacesd. Inline Function	[2.5 x 2]