## END SEMESTER EXAMINATION, NOVEMBER- 2018

Semester - 5th

Subject Code: Co-506

## OBJECT ORIENTED METHODOLOGY,

Full Marks-70

Time - Three hours

The figures in the margin indicate full marks for the questions.

## Instructions:

- All questions of PART-A are compulsory.
- Answer any five questions from PART-B.

PART - A Marks - 25

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- (a) structured programming statement violates the rules of
- 9 Function that function calls itself S known as 23
- 0 The elements of memory location. an array are stored E

Turn over

99/Co-506/OOM (2)	(f) When operators are overloaded, we cannot have more than one operator in an expression.	(e) The reusability is advantage of inheritance.	(d) A constructor can be called explicitly.	(c) We can have a class with all private members.		(a) A C++ function can return only or	-	(j) Pure virtual function has ———.	(i) Operator overloading is also a form of polymorphism.	(h) Name of the destructor is preceded by the symbol.	(g) An object is an —— of a class.	(f) The effect of endl is same as ——.	(e) Allocating memory at run time is known as	(d) << is called
99/Co-506/OOM (3) [Turn over	(iv) ::	(i) + = (ii) = =	(c) Out of following which operator cannot overload?	(iii) volatile (iv) None of these	(i) virtual (ii) static	(b) A constructor can be	(iii) Protected (iv) Any of these	(i) Public (ii) Private	(a) With which function can a friend function be declared ?	3. Choose the correct answer: 1×5=5	(j) This pointer is not a part of the object itself.	(i) Class and object are main features for structured programming.	(h) A pointer is a variable.	(g) Private members are never inherited.

99/Co-506/OOM (A) 310/B)	(c) What do you mean by pure virtual function?	(b) What is the difference between structure and class?	(a) What is object oriented programming? How is it different from procedure-oriented	PART-B	(i) base, derived (ii) derived, base (iii) base, base (iv) derived, derived	(e) If a class A uses features of class B, then A is called the ———————————————————————————————————	(ii) Base class (ii) Derived class (iii) Both of these (iv) None of these	(d) In multi level inheritance, the middle class acts as
99/Co-506/00M	(6	8. (a)	(0)	7. (a) (b)	(6)	6. (a)	6	5. (a)
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MOM		Differentiate betwactual parameters What is function	Write a program to a copy constructor	What is a paran Why a construct	Make a class triangle and calculate its area.	rite a program	do-while loops v times the loop Explain some k	What are the b
ò		/een formal parar	Write a program to demonstrate the use of a copy constructor.	What is a parameterized constructor? 2 Why a constructor is called a special member	Make a class triangle. Enter its three sides and calculate its area.	Write a program in C++ to find the greatest number between two numbers. (use class and object concept)		the basic concepts of OOP?
3	funct	neters	the u	tor?	three	he gro	numb	OOP? 4

Turn over

	12.		F			10. (a)			9.
9	(a)	9	(a)	6	9	(a)	0	6	(a)
Explain the different types of inheritance. 5	What happens when a protected member is inherited in private mode and public mode?	Explain private, protected and public visibility specifier in brief.  4	Write a C++ program to overload + operator.	Give the syntax of overloaded operator function defined as a class member function.	What do you mean by dynamic initialization of variable? Give an example.	What are the properties of static data member and static member functions in C++? 4	Explain Run time Polymorphism. 2	What is this pointer? 2	Write a C++ program to add two times. (use object as function argument) 5