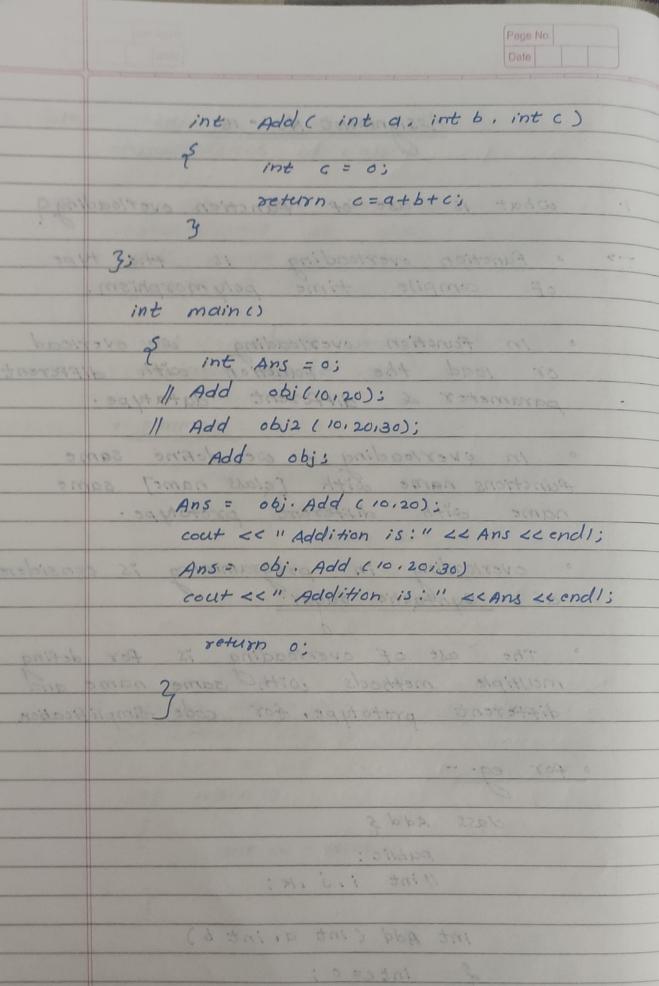
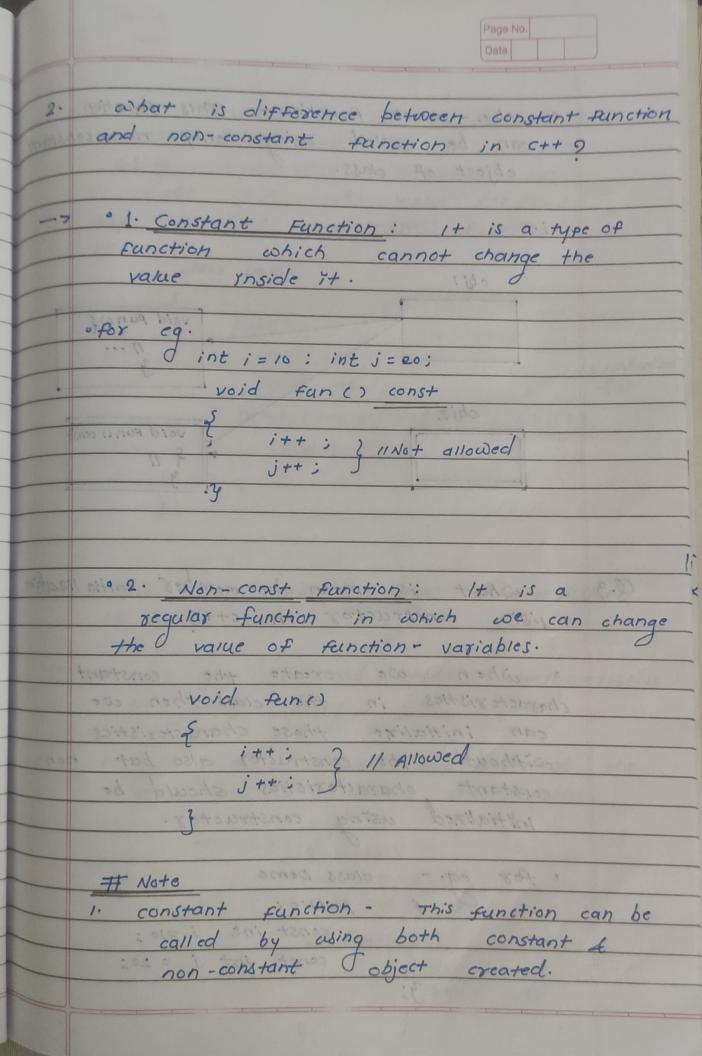
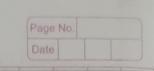
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-	(3 this, d the Accident to the
-	Assignment No 15
-	10 2 0 5111
1.	what is use of function overloading 9
	Tancrion overreas ;
-7	· Function overloading is the type
	of compile time polymorphism.
	int main co
	or load the function with different
	or load the function with different
-	parameter & different datatype.
	11 Add obja (10,20,30);
	o in overloading we define same
	functions name with [class name] same
	name with different prototype.
	5 1942 77 42; 4 79 41 45 42 42 42 42 42 42 42 42 42 42 42 42 42
	o overloading in programming is considered
	as syntactic sugar.
	o The use of overloading is for defing
	multiple methods with same name and
	different prototype, for code simplification
	o for eg
	class Add s
	Public: // int i, j, K;
	1) 1110 113 18,
	int Add (int a, int b)
-	€ intc=0;
	return c = a+b;



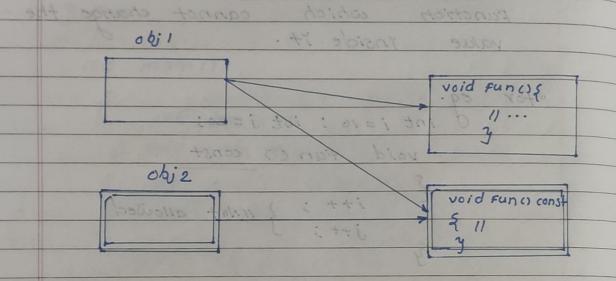
sedern co arbbs





Non-const function - This punction object of class.

. I. Constant Function: 1+ 18 9: trac of



9.3 what is mean by member Initia lization list constructor in c++9 the value of function variables.

> s when we create the constant characteristics in the class then we can initialize those characteristics without the constructor also but nonconstant characteristics should be initialized using constructor.

eg. - class Demo · for const int j = 20;

	Page No.	
1	Here, problem is that we cannot	take
000	value from user here i i so k	60
	asing constructor initialization list	
	we can take input for i, j	St marrie
Yo	any constant characteristics from user	•
	Function of clads.	
	class Demo	
450	on this pointer takes first hitten imple	Managhan
	parameter i.e objects adoress and	
	rot best and moconst inti:	Ini tialization
	const int i	List
	Demo (inta, intb)::i(a),j(b)
	" gratic member furthing ago be called	
	earthout any object (with closs name).	
	3.	
	can coe call stable member function of a	
9.4	How to initialize constant characteris	tics
	of class 9	Residence .
1000000	& est compate call static member fund	
->.	· we can initialized constant charact	teristics
	in class using const keyword.	
277		
199	o we can't increment and decrement	the
	the value of constant characteristics	
	o To call static member temenon coe	
	class. Demo & public:	
	const int a; 10;	
	constraint b = 20:	ton the
	: void funco &	
	6++: 11 NA b++: 11 NA	
	b++; 11NA	
	3:	

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Date			

- Q.5 can we use the concept of this pointer in case of static member function of class?
- This pointer in case of static member function of class.
 - o This pointer takes first hidden implicit

 parameter ; e objects address only

 and this pointer can be used for

 only non-static.
 - only non-static.

 gtatic member functions can be called without any object (with class name).
- Q.6 can we call static member function of a
 - -- « We cannot call static member function

 of a class using an object of a class.

 static member function belongs to class
 - o static member function belongs to class
 - o To call static member function we need: operator & name.
 - o for e.g. de class Demo s

static void Demass //

3: 3

- we can call above member function using class name 1 :: scope resolution operator as Demo:: Demot (): or pemo obj; obj. pemol(); 9.7 what are the limitations of static function of class 9 1. We cannot access non-static datamembers of a class static function can be called by only static function object. 2. cannot be ex overridden by derived on to class interes to the today of - cannot inherit static function. According to rules of cot non-cost 3. Static functions only gets memory for only once, not other functions.

i.e no. of obj = like new memory for each. requirered of non-constant input argament 9.8 How to initialize static constant characteristics of class 9 and the add to it is a the se the s The static constant characteristics of class can be initialized at the time of defination only initialization ust eg - static const int k=10;

- non-constant member function of a classe
- whose all the characteristics are considered as constant.
 - constant object can call only constant function.
 - of class can ball both methods i.e static as well as non-sonstant.
 - of that object are considered as constant.
 - · According to rules of c++ non-cost
 object can call both; and const object
 can call only const punction.
- q.10 what is difference between constant Input

 argument & non-constant input argument

 of function.
- Const Argument. It is a type of the const keyword is used to ased and agument cannot change their value.
 - · Non-const Argument: In this type of argument value of argument can change this value as per given argument.