Bihar Engineering University, Patna

B.Tech. 3rd Semester Examination, 2023

Course: B. Tech. Code: 100313

Subject: Object Oriented Programming using C++

Time: 03 Hours Full Marks: 70

Instructions:-

- The marks are indicated in the right-hand margin.
- (ii) There are NINE questions in this paper.
- (iii) Attempt FIVE questions in

iv) Ques	tion	No. 1 is compulse	all. ory.							
2.1 Ch	noose the correct answer of the following (Any seven question only): $[2 \times 7 = 14]$									[4]
(a)	7	To prevent any method from overriding we declare the method as								,
		(i)) static	(ji) final		ii) const			None of	he above	
(b)		Does constructor overloaded?	· •	•	•	return	. ,			be
		(i) yes, if return types are different, signature becomes different.								
		(ii) yes, because return types can differentiate two functions.								
		(iii) no, because return types cannot differentiate two functions.								
		(iy) no, constructors don't have any return type.								
(c)		Which of the following type of class allows only one object of it to be created								
(5	(i) Virtual Class									
		(iii) Singleton class	ss		^	. ' '	riend cla			
(d)	d)	What will happen if the exception is not caught in the program?								
	٠,	(ii) Error	ii die excepti	ادا ادا ادا پ			ogram v	vill exect	ute	
		(iii) Block of the o	ode will not	execute		• •	lone of the			
((e)	The state of the s								
`	,	(i) new (ii) melloc								
		(iii) this	-0				llocate			
((f)	Which of the follo	owing stateme	ent is cor	rect?	() -				
`	(-)	(i) base class pointer cannot point to derived class.								
		(ii) derived class pointer cannot point to base class.								
		(iii) pointer to derived class cannot be created.								
		(iv) pointer to bas								
	(g)	. /			ou.					
	(b)	 You should make a function virtual if (i) every class that is derived from this class uses all the member functions from this 								
HGHI.	$^{\prime}$ C									
	,									
.0X		(iii) that function is an operator.								
YIO	(iv) defined only in the derived classes.									
`	(h)	h) The fields in a structure in C and a class in C++ are by default								
		(i) public, protected			(ii) protected, public					
		(iii) private, priva	ate			(iy)	public, p	rivate		
	(i)									
		(i) multiple inher				(ii) r	nultileve	l inherita	ınce	
		(iii) linear inherit	tance			(iv)	none of t	he above	:	

