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	222 Ho		70	Marks	Seat	No								
Instructions – (1)			(1)	All Questions are Compulsory.										
			(2)	Answer each	next main	Que	estio	on o	on a	n ne	ew	pag	e.	
			(3)	Illustrate your necessary.	answers	with	nea	t sl	cetc	hes	wł	nere	ever	
			(4)	Figures to the	e right ind	icate	ful	1 m	ark	s.				
			(5)	Assume suital	ole data, it	f nec	essa	ary.						
			(6)	Mobile Phone Communication Examination	on devices		-							
													Ma	rks
1.		Attemp	t any	<u>FIVE</u> of the	following	:								10
	a)	State an	ny Fo	ur application	of oop.									
	b)	Explain	user	defined dataty	pe with ex	amp	le.							
	c)	Describ	e use	of scop resolu	ition opera	tor v	vith	ex	amp	ole.				
	d)	Define	constr	uctors and it's	type.									
	e)	Explain	conce	ept of pointer	with exam	ple.								
	f)	Explain	file 1	modes used to	perform f	ïle o	pera	atio	ns.					
	g)	List all	stream	n classes used	in stream	ope	ratio	on.						
2.		Attemp	t any	THREE of t	he followi	ng:								12
	a)	Develop	o a c+	+ program to	print Fibo	nacc	i se	ries	•					
	b)	Develop	o a c+	-+ program for	r multileve	l inh	erit	ance	e.					
	c)	-		-+ program for r 5 subject an	-									ge.

d) Develop c++ program to open and read content of file also write "object oriented" string in file and close it.
P.T.O.

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3.

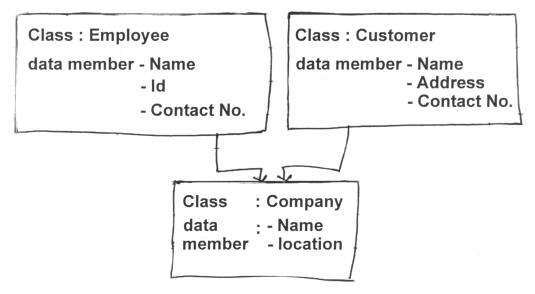
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- Attempt any THREE of the following:
- a) Describe structure of c++ program.
- b) Explain with suitable example Friend Function.
- c) Describe all visibility modes and effects with example.
- d) Differentiate between compile time polymorphism and Runtime polymorphism.

4. Attempt any <u>THREE</u> of the following:

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a) Develop a c++ program to implement inheritance shown in following fig.



- b) Develop a c++ program to print sum of 10 no. using array.
- c) Develop a c++ program to perform arthmatic operation using pointer.
- d) Develop a c++ program to create structure student with data member Name, Roll No., percentage accept and display data for 5 student using structure.
- e) Develop c++ program to check Detection of end of file.

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5. Attempt any TWO of the following:

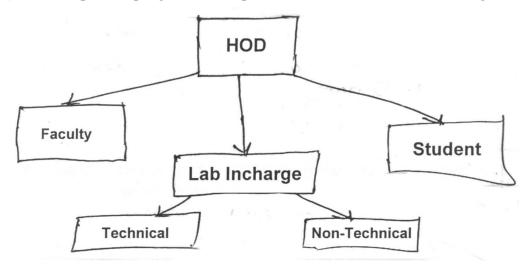
a) Define class book with following Data member and member function for 10 book.

Da	ta Member	Member Function						
1.	B - name	\rightarrow getdata ()						
2.	B - author	\rightarrow put data ()						
3.	B - price	→ put uata ()						

- b) Develop a c++ program to implement virtual Base class.
- c) Explain rules of operator overloading and overload '+' operator to concatenate two string.

6. Attempt any <u>TWO</u> of the following:

- a) Develop a c++ program for constructor with default argument and use of destructor.
- b) Describe Function overloading with suitable program.
- c) Develop c++ program to implement inheritance shown in fig.



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