	em. III) (Main / Back	Total No. of 1 1654 K) Examination, December	
EE,EX,CS	ject Oriented Program	mming	
Time : 3 Hours	,,,,	7 . A	Mariles 00
- India		Maximum I Min. Passing I	and the second
All Questi shown wher	ons carry equal ma _{rks.} ever necessary. Any da	ng one question from each Schematic diagrams must sta you feel missing suitab of quantities used / calcue ed clearly.	t be Iv be
Use of following (Mentioned in for		permitted during examinat	ion.
1.	Nil	2. <u>Nil</u>	_
·	UNIT	: - I	
1 (a) Dafine	structure in C and how	it is declared. Explain with s	mitable
exampl		it is decided. Explain with	,uitubie
1101			8
• • • • • • • • • • • • • • • • • • • •	e structure element accessi kample ?	ed using a pointer? Which ope	erator is used
give c	fampio :	**	8
		R	
1 (a) Explain	nested structure and its	need with a suitable examp	le. 8
(h) How r	assing structure to functi	ion ? Give an example.	o
(b) How p		•	8

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UNIT - II

2 (a	explain the concept of object oriented analysis with explanation of analysis.	of all steps
. (b	What is the meaning of message passing? Explain in-brief.	8
	OR:	
2 · (a)	How we create and destroy object dynamically using new and dele discuss with example.	te operator
(b)	Write short note on constructors and destructors in C++.	8
•	destructory in City	8
	UNIT - III	
3 (1)	What is type conversion in C++? How it is achieved in user def	fined data
(b)_	What is operator overloading 2 What do not	8
7	What is operator overloading? Why do need operator overloadi	ng?
	OR	. 8
3 (a)	What are the limitation of overloading unary increment / decrement of Write a program to overload unary operator.	operator?
(b)	How we concatenate two string by (+) operator give suitable ex	8 ample.
Vice		8
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UNIT - IV

4 (a)	What is inheritance? What are the various forms of inheritance? Explain each with the help of examples.
JAY	Define virtual function. Why we need it?
4 (a)	OR Explain the term dynamic binding. How it is useful in OOPs?
(b)	Discuss abstract data type concept. How is an abstract class useful?
	UNIT - V
5 (a)	Design two classes to show the multiple inheritance. How does a object of derived class access the member of base class?
(b)	Write short note on Templates.
- , ,	OR 8
5 (a)	Explain the effect of using the access specifiers with class members on inheritance.
(b)	Write short note on exception handling.
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