Roll	No	•••••	Total Pa	ges: 03	
		BCA/M-24		1871	
ΑI	OVA	NCED PROGRAMMING	USING	C++	
BCA-242					
Fime: Three Hours] [Maximum Marks: 80					
Note	e : A	ttempt Five questions in all, sele	ecting one	question	
from each Unit. Q. No. 1 is compulsory. All questions					
carry equal marks.					
		Compulsory Question	50		
			λ		
1.	(a)				
	(b)	Design a template to find average of an array. 3			
	(c)				
		fp = fopen ("xyz.a", a		3	
)	(d)	Why we need virtual function		3	
	(e)				
	(f)	Explain syntax for int to float ty	pe conversi	ion using	
•		type casting.		2	
		Unit I			
2.	(a)	What are the ways by which we can access public			
· .		member functions of an object	?	8	
(8-10/13) L-1871 P.T.O.					

How compile time polymorphism is achieved (b) Explain with an example.

8

- What is pointer to a function? Explain the situation: 3. (a) in which such a concept is used?
 - What does the 'this' pointer point to ? Also write (b) the application of this pointer.

Unit II

- 4. (a) What is type casting conversion for user defined data types ? Explain with an example.
 - How are public and protected members of a base (b) class inherited in a derived class by differen visibility modes?
- 5. Explain with example:
 - Basic data type to a class data type (a)
 - One class type to basic data type. (b)

Unit III

- 6. Write syntax of:
 - (a) Multilple Inheritance
 - (b) Hierarchal Inheritance.
- 7. (a) How constructors are executed in a multile inheritance?

(b) What is a template function? Can a template function overloaded?

Unit IV

- 8. (a) What should be placed inside a try block and a catch block? Write syntax of both.
 - (b) Explain, how while(fin) statement detects the end of a file that is connected ti fin stream?
- 9. Differentiate between the following:
 - (a) fclose() and fflush()
 - (b) tellg() and tellp() file pointer manipulators. 8

8