(i)	Printed Pages : 2	Re	oll No
(ii)	Questions : 9	Sub. Coo Exam. Coo	
E	Bachelor of Compute	er Applicatior (2055)	n (FYUP) 2 nd Semester
(ED PROGRAI aper : NBCA	MMING USING C++ 203
Tim	ne Allowed : Three I	Hours]	[Maximum Marks: 45
Not	•	•	n each section and entire stions carry equal marks.
		SECTION—	A
1.	-		use abstraction in OOP? ne class? Demonstrate with 9
2.	Write a note on:		
	(a) Advantages of	'new' operator	Î.
	(b) Defining memb	N	9
		SECTION—	
3.	How does a constructor differ from an ordinary member function? When is the copy constructor in C++ used? 9		
4.	to compare the are	ea of squares	overloading, write a program using relational '>' and '<' quare = Side × Side].
	o . *. *0:		· ·

SECTION—C

- 5. What is the importance of inheritance? How can one make a private member inheritable? Describe the problem that may arise in multiple inheritance.
- How does polymorphism promote extensibility? Can a pointer of base class type point to object of derived class?
 Demonstrate.

SECTION—D

- 7. Give common examples of exceptions. Why should we deal with them? What happens when a catch handler throws an exception?
- 8. Describe the classes for file stream operations. Why do we need binary files?

(Compulsory Question)

- 9. Answer the following:
 - (a) What are the advantages of late binding?
 - (b) Why is inline function faster?
 - (c) Write the benefits of function overloading. 2
 - (d) List the rules for defining friend functions.
 - (e) What is file opening mode?