PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MCom(CA) DEGREE EXAMINATION DECEMBER 2023 (First Semester)

Branch - COMMERCE WITH COMPUTER APPLICATION

OBJECT ORIENTED PROGRAMMING USING C++

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

 $(10 \times 1 = 10)$

Module No.	Question No.	Question Question	K Level	СО
1	1	Which type is best suited to represent the logical values? a) integer b) boolean c) character d) float	K1	CO1
	2	In c++, refer to fixed values that do not change during the execution of a program. a) constants b) strings c) identifiers d) operators	K2	CO1
2	3	Decision control statements in c++ can be implemented using a) if b) if-else c) conditional operator d) all the above	Kl	CO2
	4	What is the way to suddenly come out of any loop in c++? a) quit b) leave c) break d) none	K2	CO2
3	5	are widely used in c++ for memory management and to achieve polymorphism. a) array b) function c) class d) pointer	K1	CO3
	6	How many maximum number of parameters does a string constructor can take? a) 1 b) 3 c) 2 d) 4	K2	соз
4	7	The static Member functions a) can be called directly b) can be called using program name c) can be called using class name d) can't be called outside the function	K1	CO4
	8	Class x,class y and class z are derived from BASE class. This isinheritance. a) Hierarchical b) Mulitlevel c) Single d) Multiple	K2	CO
5	9	How to define the user-defined exception? a) Inherting and overriding exception class functionality b) Overriding class functionality c) Inherting class functionality d) None of the above	K1	СО
	10	Which keyword is used to handle the exception? a) Try b) Catch c) Throw d) None	K2	со

Cont...

22CCP105N/ 22CCP105 Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	СО	
1	11.a.	Write the Benefits of OOPS.	K4		
	(OR)			CO1	
	11.b.	Explain about the Structure of c++ program.	K5	<u> </u>	
	12.a.	Ellaborate the cocept of Return by reference.	K4		
2		(OR)	CO2		
	12.b.	Discuss the concept of function overloading.	K4		
	13.a.	What is Array? How to declare an array in c++. Give an example.	K6	CO2	
3	(OR)			CO3	
	13.b.	How to pass arguments in c++, write with example.	K5		
	14.a.	Write about the rules for overloading operators.	K5		
4	(OR)			CO4	
	14.b.	Write a c++ program using Hierarchical Inheritance.	K6		
5	15.a.	How to process pointer to derived classes?	K4		
	(OR)			CO5	
	15.b.	What is Exception handling? Give an example.	K5		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3\times10=30)$

Module No.	Question No.	Question	K Level	СО
1	16 .	Write a c++ program using conditional operators.	K6	CO1
2	17	Write a c++ program using virtual function.	K6	CO2
3	18	How to define member functions in c++?	K4	CO3
4	19	Write a c++ program using Multilevel inheritance.	K6	CO4
5	20	How to handle errors in c++, Discuss.	K4	CO5