H-1128

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SUBJECT CODE NO:- H-1128 FACULTY OF SCIENCE AND TECHNOLOGY S.Y. B.Tech. (ETC) CBC & Grading System (Sem IV) Elective-I OOPS using C++ [Revised]

[Time:	Three Hours]	[Max.Marks: 80]
N.B	Please check whether you have got the right question pa i) Question 1 & 6 are compulsory. ii) Attempt any two from remaining both sections.	per.
	Section A	
Q.1	Attempt any FIVE.	10
	a. What are variables?	
	b. Feature of OOPS paradigm.	
	c. What is a class? Give example.	24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	d. What is the use of Static?	80,470
	e. Give example of Copy constructor.	50,00
	f. Give 2 characteristics of destructor.	
Q.2	a. Demonstrate use of constructor using example.	08
	b. Give example of basic structure of C++ program.	07
Q.3	a. Write C++ program to find if number is even or odd.	08
	b. Compare POP & OOP paradigm.	07
Q.4	a. What are the feature of C++?	08
	b. Give example of static variables and static functions.	07
Q.5	a. Demonstrate usage of friend function using example.	08
	b. How to define destructor in C++ give example.	07
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20 / C	Section B	
Q.6	Attempt any FIVE	10
	a. Define inheritance	
	b. What are exceptions?	
	c. What are advantages of using pointers?	
	d. What is purpose of abstract class?	
	e. Define virtual functions.	
	f. Why do we do rethrowing of exceptions?	
Q.7	a. Write C++ program for method overloading.	08
	b. What are the rules of creating virtual functions?	07

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Q.8	a. Demonstrate exception handling using C++ program.b. What are the rules of operator overloading?	08 07
Q.9	a. How to perform call by value & Call by reference. Explain with example.b. Compare compile time & run time polymorphism.	08 07
Q.10	a. Write program for single inheritance.b. How public & private inheritance different, Give example.	08 07