

CONTINUOUS INTERNAL EVALUATION- 1

Dept: CSE	Sem / Div:4A & B	Sub: Object Oriented Concepts	S Code:18CS45
Date:26/05/2021	Time:9.30-11.00 AM	Max Marks: 50	Elective: N
Note: Answer any 2 full questions, choosing one full question from each part.			

Q N	Questions	Marks	RBT	COs
PART A				
1 a	What is this pointer? Explain the two use of this pointer with a programming example.	10	L3	CO1
b	Define friend function. Explain how one can bridge two classes using friend Function. Write a C++ program to find the sum of two numbers using friend Function. Assume two variables are present in two different class.	10	L3	CO1
c	List and explain any four features of object oriented program.	5	L2	CO1
OR				
2 a	Write a C++ program to compute the area of circle, rectangle, square and triangle by implementing function overloading.	10	L3	CO1
b	Explain the use of scope resolution operator with a programming example.	10	L3	CO1
c	What is a reference variable? Explain. Also write a program in C++ to swap two variables of type complex and display the values before and after swapping.	5	L3	CO1
PART B				
3 a	Explain static data member with a programming example.	10	L3	CO1
b	Write a C++ program to create a class called employee with data members name, age and salary. Read and display at least 5 employee information using arrays of objects.	10	L3	CO1
c	With a programming example explain how to create objects of private nested class and access its private data members.	5	L3	CO1
OR				
4 a	Write a C++ program to find the sum of two complex numbers by passing object as the argument to sum function.	10	L3	CO1
b	Explain namespace with an example.	10	L2	CO1
c	What is nested class? Explain the syntax of defining nested class, nested class objects with a programming example.	5	L3	CO1