MAX MARKS: 100

Reg. No.							

B.E./ B.TECH. DEGREE EXAMINATIONS, MAY 2024

Second Semester

IT18201 - OOPS USING C++ AND PYTHON

(Information Technology)

(Regulation2018/2018A)

TIME:3 HOURS

		HOURS MAX.	MARK	S: 10					
	DURSE STATEMENT			RBT					
OUTCO	OMES			LEVEL 2					
	Apply the various features of object oriented programming to construct applications in +.								
CO	Develop the software using advanced features of Object oriented programming to solve time problems.								
CO	CO 4 Develop the programs to implement the basics of python.								
CO	CO 5 Choose the data structures and design patterns to construct applications using python.								
PART- A(10x2=20Marks)									
		(Answer all Questions)							
				CO	RBT LEVEL				
1.	1. Justify the need of constructor with an example.								
2.	2. When and why you might use a friend function in a C++ program.								
3.	3. Why is the new operator necessary when malloc() is already available?								
4.									
5.	· · · · · ·								
6.	Design a function template to swap two values and call the function of int float and								
7.									
8.	Write a method in python to exchange the values of two variables without employing a								
		n two tuples tuple and tinytuple, where tuple as ('apple', 42, 3.14, 'banan	a'. 7.5)						
9.									
10.									
PART- B (5x 14=70Marks)									
			Marks	CO	RBT LEVEL				
11. (a) Di	iscuss the concept of static within a class. Create a C++ program that	(14)	1	2				
	utilizes a static class member to monitor the total count of objects								
	in	stantiated from a Student class.							

(OR)

PART- C (1x 10=10Marks)

(Q.No.16 is compulsory)

		Marks	CO	KBI
				LEVEL
16.	Develop an application for Hospital Management system using Python.	(10)	5	3
