Hall Ticket Number :

R-15

Code: 5G466

III B.Tech. II Semester Supplementary Examinations December 2022
Object Oriented Programming Concepts
(Common to EEE & ECE)

Max. Marks: 70   Time: 3 Hours
Answer *any five full questions* by choosing one question from each unit (5x14 = 70 Marks)
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			Marks	CO	BL

UNIT–I

1.	a)	List and explain the elements of object oriented programming.	7M	1	1,2
	b)	Define Recursion. Write a C++ program to find factorial of a number.	7M	1	1,6

OR

2.	a)	Mention the different types of constructors. Elaborate parameterized constructors through an example program.	7M	1	2
	b)	Explain Object oriented programming paradigm. Distinguish between Objects and Classes.	7M	1	2,4

UNIT–II

3.		Explain the different types of inheritance in C++ with an example	14M	2	2

OR

4.	a)	Explain 'this' pointer with an example program.	7M	2	2
	b)	Write a program to display all odd numbered files of a text file.	7M	2	6

UNIT–III

5.		Explain any five string handling functions with suitable examples.	14M	3	2

OR

6.	a)	What are the operators available in java? Explain them in detail.	8M	3	1,2
	b)	Write a java program to find number of sum of all even integers greater than 50 and less than 150.	6M	3	6

UNIT–IV

7.	a)	How can you create and add classes to the package? Illustrate with simple program.	7M	4	1,3
	b)	What is a Thread? How are threads created?	7M	4	1

OR

8.	a)	What are the different types of exceptions and explain with program.	7M	4	1,2
	b)	Differentiate between interface and abstract class.	7M	4	2

UNIT–V

9.	a)	What are the stages in Thread life cycle? Explain them in detail.	8M	5	1,2
	b)	Write short note on Streams in java.	6M	5	1

OR

10.	a)	Write a program to explain thread priorities usage.	7M	5	6
	b)	Explain the method of parameter passing to an applet.	7M	5	2

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