

III- SEM CSE/IT/2019(W)/(NEW)

TH-4-OBJECT ORIENTED METHODOLOGY

Full Marks: 80

Time : 3 Hours

Answer any FIVE Questions including Q No. 1 & 2

Figures in the right hand margin indicates marks

Q.1	Answer ALL the questions:	2X10
a)	Define Data Abstraction.	
b)	What do you mean by polymorphism?	
c)	Define copy constructor.	
d)	List down the access specifier in Java.	
e)	What do you mean by Java API?	
f)	Differentiate between function overloading and function overriding.	
g)	Classify between final and finally statement.	
h)	What is the role of super statement in constructor?	
i)	Write the syntax of creating an object of a class in java.	
j)	Define virtual function.	
2.	Answer any SIX questions:	5X6
a)	What do you mean by stream? Describe i/o stream of java.	
b)	Describe the working principle of JVM.	
c)	Explain the concept of overriding with example.	
d)	Explain the file handling classes and methods.	
e)	Define constructor. Describe the types of constructor.	
f)	How we can pass object as parameter?	
g)	What do you mean by member of a class? How members function is defined in a class?	
3.	Briefly explain concepts of OOP.	10
4.	Describe the structure of Java program.	10
5.	Explain the types of Inheritance in OOPs.	10
6.	Illustrate the exception handling mechanism in Java.	10
7.	Define package. Write a simple program that describes package.	10