Sinhgad Technical Education Society's

Sinhgad Institute of Technology & Science,

Narhe, Pune

Department: IT **Semester: I** **Academic Year : 2023-2024**

Class: SE **Div:** **Maximum Marks:**

Course: OOP **Course faculty: Shaikh J.N.**

Assignment No:1	**Date:**	**Date of Submission:**		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	List any four features of OOP.	2	CO1	1
Q.2	Give the limitations of POP	2	CO1	1
Q.3	Define following terms: a) Abstraction b) Polymorphism c) Inheritance d) Encapsulation	4	CO1	1
Q.4	Differentiate between POP and OOP.	4	CO1	2
Q.5	Explain features of OOP.	4	CO1	2

Assignment No:2	**Date:**	**Date of Submission:**		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	List different visibility access modifiers available in OOP.	2	CO2	1
Q.2	Give the general syntax for defining a class	2	CO2	1
Q.3	Explain static data member and member function with example	4	CO2	2
Q.4	Explain memory management in OOP.	4	CO2	2
Q.5	Write a program to calculate the area of circle and triangle using method overloading.	4	CO2	3

Assignment No:3	**Date:**	**Date of Submission:**		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	Define constructor and destructor.	2	CO3	1
Q.2	List types of constructors.	2	CO3	1
Q.3	Explain parameterized constructor with example.	4	CO3	2
Q.4	Differentiate between constructor and destructor.	4	CO3	2
Q.5	Write a program to create a class student with data members roll no, name & address. Initialize the values for data members using constructor and display it.	4	CO3	3

Assignment No:4	Date:	Date of Submission:		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	Define inheritance and polymorphism.	2	CO4	1
Q.2	List different types of inheritance and polymorphism.	2	CO4	1
Q.3	Explain method overriding with example.	4	CO4	2
Q.4	Write a program to demonstrate multiple inheritance.	4	CO4	3
Q.5	Write a program to overload unary operator minus(-).	4	CO4	3

Assignment No:5	Date:	Date of Submission:		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	Define error and exception.	2	CO5	1
Q.2	Give the syntax for try and catch.	2	CO5	1
Q.3	Explain exception handling mechanism with example.	4	CO5	2
Q.4	Explain: 1. throws 2.finally	4	CO5	2
Q.5	Explain how user defined exceptions can be handles.	4	CO5	2

Assignment No:6	Date:	Date of Submission:		
Que. No.	**Question**	**Marks**	**CO Mapped**	**Blooms Level**
Q.1	Define stream.	2	CO6	1
Q.2	List the classes used for file stream operations.	2	CO6	1
Q.3	Explain following file mode: 1. ios::trunk 2. ios::app 3. ios::ate 4. ios::binary	4	CO6	2
Q.4	Expalin following file manipulation functions with examples: 1. seekg() 2. seekp() 3. tellp()	4	CO6	2
Q.5	Write a program to read a character stream and write it in another file.	4	CO6	3

Course Coordinator