



**B.Tech - Even Sem : End Semester Exam**  
**Academic Year:2021-2022**  
**20SC1203 - Object Oriented Programming**  
**Set No: 2**

**Time:**

**Max.Marks: 100**

S.NO	Answer All Questions	Choice	Options	Marks	CO	CO BTL	COI BTL
1.	Demonstrate the features of Object Oriented Programming language?	choice Q-2		10Marks	CO1	3	2
2.	Explain public static void main (String args[]) in Java?			10Marks	CO1	3	2
3.	Answer to both 3A and 3B	choice Q-4		15Marks	CO1	3	2
3.A.	Demonstrate the compile time and run time polymorphism?			8Marks	CO1	3	2
3.B.	Define Array? Illustrate the advantages and types of it?			7Marks	CO1	3	2
4.	Answer to both 4A and 4B			15Marks	CO1	3	2
4.A.	Write a java program for reverse of a number using scanner keyword?			8Marks	CO1	3	1
4.B.	Write a java program for reverse of leap year using scanner keyword?			7Marks	CO1	3	1
5.	Demonstrate the Default constructor and parameterized constructor?	choice Q-6		10Marks	CO2	3	2
6.	Write a Java program for finding area of rectangle by using method overloading concept?			10Marks	CO2	3	1
7.	Answer to both Constructor and method?	choice Q-8		15Marks	CO2	3	2
7.A.	Explain the concept of constructor overloading with suitable example?			8Marks	CO2	3	2
7.B.	List the differences between the Constructor and method?			7Marks	CO2	3	1
8.	Answer to bot 8A and 8B			15Marks	CO2	3	2
8.A.	Write a Java program for finding area of walls using constructor overloading?			8Marks	CO2	3	1
8.B.	What is chaining constructor? How to implement it, show with an example?			7Marks	CO2	3	1
9.	Demonstrate the hybrid inheritance and Hierarchical inheritance with suitable example?	choice Q-10		10Marks	CO3	3	2
10.	List the advantages from the inheritance?			10Marks	CO3	3	1
11.	Answer to both 11A and 11B	choice Q-12		15Marks	CO3	3	2
11.A.	Demonstrate the behavior of Access Modifiers in case of Inheritance in Java?			8Marks	CO3	3	2
11.B.	Illustrate the super keyword with suitable example?			7Marks	CO3	3	2
12.	Answer to both 12A and 12B			15Marks	CO3	3	2
12.A.	Explain the this keyword with suitable example?			8Marks	CO3	3	2
12.B.	Write a java program for multilevel inheritance?			7Marks	CO3	3	1
13.	Explain the concepts of Arithmetic exceptions in Java?	choice Q-14		10Marks	CO4	3	2
14.	Demonstrate the various types of interfaces in Java language?			10Marks	CO4	3	2
15.	Answer to both 15A and 15B	choice Q-16		15Marks	CO4	3	2
15.A.	Demonstrate the usage of Java packages?			8Marks	CO4	3	2
15.B.	Demonstrate the string buffer and stringBuilde in Java?			7Marks	CO4	3	2
16.	Answer to both 16A and 16B			15Marks	CO4	3	2
16.A.	Compare Thread-based and Process-based multitasking?			8Marks	CO4	3	2
16.B.	Explain the try, catch, throw and finally keywords in exception handling?			7Marks	CO4	3	2

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