

ACADEMIC YEAR: 2023-2024

YEAR: II

SEMESTER: I

FACULTY NAME: Dr. K. SivaRamaKrishna

SUBJECT NAME: JAVA PROGRAMMING

Branch: CSE(DS)&CSE(AIML)

REGULATION: R20

MID-1 QUESTION BANK

UNIT-1

Q.No	Question	Marks	Cognitive level
1	a. List and explain the Tokens in the Java language	5M	L1
	b. Demonstrate Bitwise operators using a Java program	5M	L2
2	a. Demonstrate the operator precedence using a Java program	5M	L2
	b. write a java program that converts one data type to another data type.	5M	L2
3	a.Explain Command Line Arguments in java with examples programs?	5M	L2
	b.Write a java program using Break and Continue statements. Write use of this statements.	5M	L2
4	a. Demonstrate the Increment and Decrement operators with a Java program	5M	L2
	b.write a java program using for-each loop and difference between for and for-each loop.	5M	L2
5	a. Discuss about Java Statements?	5M	L1
	b. Compare the working of the while loop and do-while loop with suitable examples	5M	L2
6	Explain control statements with examples programs	10M	L2
7	a. Explain Data types in java with example programs?	5M	L2
	b. write a java program to find greatest of 4 numbers using ternary operator ?	5M	L3
8	a.Explain operators in java with example programs?	5M	L2
	b. write a calculator program using switch case.	5M	L3
9	Explain about nested if and nested loop with an example program.	10M	L2
10	a)List and explain the formatted input and output statements	5M	L2
	b)Demonstrate implicit and explicit type casting with an example program.	5M	L2

UNIT-2

Q.No	Question	Marks	Cognitive level
1	a. What is a class? how to declare a class with example.	5M	L1
	b. Explain about call by value and call by reference with an example.	5M	L2
2	Short notes on Keywords A.STATIC B.FINAL C.ABSTRACT D.THIS E.NEW	10M	L1
3	Define and explain the following with an example programs a) Method	5M	L2
	b) Constructor	5M	
4	a.How to access a Accessing Private Members of Class with example?	5M	L3
	b. Explain about anonymous with an example?	5M	L2
5	Define and explain the following with an example programs a) Method over loading	10M	L1
	b) Method over riding		
6	a.Discuss about access specifiers,with an example?	5M	L2
	b.Write a program assigning one object to another object?	5M	L2
7	a)Develop a program to carry out withdrawal operations in ATM	5M	L2
	b)Develop a method that initializes the attributes of an object	5M	L2
8	a)Explain about constructor overloading with an example?	5M	L2
	b)Write a java program to access inner class members without creating Objet	5M	L3
9	Explain passing Arguments by value and by Reference with examples?	10M	L2
10	a)Difference between Recursive Methods and Nested Methods?	5M	L2
	b)What are different non static inner classes and explain with example	5M	L2

UNIT-3

Q.No	Question	Marks	Cognitive level
1	a.Explain about an Array with an example?	5M	L1
	b. Write a java program to print first and last element in array?	5M	L2
2	a. Write a java program accessing elements in array using for each loop?	5M	L2
	b. Explain Types of Arrays with Example programs?	5M	L2
3	a)Develop a program to apply Buuble sort on array elements	5M	L2
	b)write a java program to search for an element using Linear search	5M	
4	A)Explain about Dynamic Change of Array Size with an example?	5M	L2
	B)Develop a Java program to perform Binary search.	5M	L2
5	A)Develop a program to declare and access the three-dimensional arrays.	5M	L3
	B)Explain different methods of Arrays class	5M	L1