PR-3 OBJECT ORIENTED PROGRAMMING USING JAVA

Total Period:	60	**Examination:**	3 hr
Lab. periods:	4P/Week	**Term Work:**	25
Maximum marks:	50	**End Semester Examination**	50

List of Practicals:-

1. Write a Java program to print 'Hello' on screen and then print your name on a separate line.

2. Write a Java program to print the sum of two numbers.

3. Write a Java program that takes a number as input and prints its multiplication table upto 10.

4. Write a Java program to print the area and perimeter of a rectangle.

5. Write a Java program to swap two variables.

6. Write a Java program to convert a decimal number to binary number.

7. Write a Java program to compare two numbers.

8. Write a Java program and compute the sum of the digits of an integer.

9. Write a Java program to count the letters, spaces, numbers and other characters of an input string.

10. Write a Java program to reverse a string.

11. Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd.

12. Write a Java program that accepts two integer values from the user and return the larger values. However if the two values are the same, return 0 and return the smaller value if the two values have the same remainder when divided by 6.

13. Write a Java program to get the larger value between first and last element of an array (length 3) of integers .

14. Design a class to represent a bank account. Include the following members :

Data members:

- Name of the depositor
- Account Number
- Type of account
- Balance amount in the account

Methods:

- To assign initial values
- To deposit an amount
- To withdraw an amount
- To display the name and balance

15. Given are two one-dimensional arrays, A and B which are sorted in ascending order. Write a program to merge them into a single sorted array C that contains every item from arrays A and B, in ascending order.

16. Write a java program implementing multiple inheritance.

17. Write a java program implementing package.

18. Write a java program to read a file line by line and print the line on the output screen.

19. Write a java program to read content from one file and write it into another file.

20. Define an exception called "No Match Exception" that is thrown when a string is not equal to "India". Write a program that uses this exception.

21. Develop a java project for percentage calculator/temperature conversion tool.

Books Recommended:-

Sl.No	Name of Authors	Title of the Book	Name of Publisher:
01	E. Balagurusami	Programming With Java: A Primer	The McGraw-Hill Companies
02	Patric Naughton Herbert Schildt	Java^{TM} 2: The Complete Reference	Tata McGraw-Hill Publishing Company Limited
03	Rashmi Kanta Das	Core Java For Beginners	Vikas Publishing
04	Herbert Schildt	Java: A Beginner's Guide	McGraw-Hill Education
05	Cay S. Horstmann	Core Java Volume I - Fundamentals	Prentice Hall