Jagannath International Management School

VasantKunj, New Delhi – 110070
(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
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Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Bachelor of Computer Applications (BCA)

Course : BCA **Semester : IV**
Subject Code: 20252 **Subject : Java Lab**

S. No.	Question
1.	Write down the steps to compile and run a JavaProgram? Write a program to print Hello World.
2.	To study the basics of programming a. Write a program to read name, age, phone no, gender and CGPA from user and print the value. b. WAP to find the largest and smallest of 3 numbers using if else statement c. Write a Java program that takes three numbers as input to calculate and print the average of thenumbers. d. WAP to calculate Factorial of a number e. WAP to check whether a given number is Armstrong or not f. WAP to check leap year. g. Write a Java program that checks whether a given string is a palindrome or not.
3.	WAP to display integer values of an array using foreach loop.
4.	WAP to print String Elements in array using foreach loop
5.	Write a Java Program to implement array of objects.
6.	WAP to read the array dynamically, sort the arrayand display the sorted array.
7.	Write a Java Program to demonstrate use of nestedclass.
8.	Program to find Area of circle, Rectangle andTriangle using different methods
9.	Java program to demonstrate example of staticvariable and static method.
10.	WAP to implement Single Inheritance
11.	WAP to implement Multilevel and HierarchyInheritance
12.	WAP to create a package in java
13.	WAP to illustrate the concept of Method Overriding
14.	WAP to demonstrate the concept of Abstract Class
15.	Write a program to demonstrate use of implementinginterfaces.
16.	Write a program to demonstrate use of extendinginterfaces
17.	Write an program using try, catch, throw and finally
18.	Write a program to implement the concept ofException Handling using

	predefined exception
19.	Write a program to implement the concept of Exception Handling by creating user-defined exceptions.
20.	Write a program to demonstrate thread priority.
21.	WAP to implement the concept of Multithreading
22.	WAP to demonstrate Method overloading
23.	WAP to show constructor overloading
24.	Write a program to implement all string operations.
25.	Write a program to implement all string operationsusing String Buffer Methods.
26.	WAP to read the contents from file and writingcontents into a file
27.	Develop an applet that displays a simple message.
28.	Write a GUI Program to Add Two Numbers UsingAWT and event handling.
29.	WAP to make a login GUI using TextField,PasswordField and Login Button using Swings.
30.	Write a java program that connects to a database using JDBC and perform add, delete and retrieve operations.