

Dhaka International University
Department of Computer Science and Engineering
B.Sc. in Computer Science and Engineering
Semester Final Evaluation (Spring-2023)
Batch: 88th (2nd Shift) Semester: 6th

Course Code: CSE-208 Course Title: Object Oriented Programming Lab

Total Time: 40 Minutes

Total Marks: 25

GROUP Basic

5

1. Write a Java program to find the smallest number among three numbers using Scanner class. (Roll: 1 to Roll: 13)
2. Write a Java program to compute the average of three numbers using Scanner class. (Roll: 14 to Roll: 26)
3. Write a Java program to check if number is positive or negative using Scanner class. (Roll: 27 to Roll: 39)
4. Write a Java program to check if number is even or odd using Scanner class. (Roll: 40 to Roll: 52)
5. Write two Java program to compute the addition and subtraction of two numbers using Scanner class. (Roll: 53 to Roll: 65)

GROUP Intermediate

8

1. Write a Java program that holds a class named **Exam** with variables **nameOfExam**, **mark** along with method **result ()** to return the data. Create any object of Exam class and print the result from main method. (Roll: 1 to Roll: 22)
2. Write a Java program that holds a class named **Human** with variables **name**, **age** along with method **message ()** to return the data. Print the message from main method without creating any object. (Roll: 23 to Roll: 44)
3. Write a Java program that holds a class named **Test** along with methods **setData()** and **getData()**. Pass two parameters to **setData()** method from main method and print the passing values from **getData()**. (Roll: 45 to Roll: 65)

GROUP Complex

12

1. Write a Java Program with overloading methods where methods named as **sum (int, float, double)**, **sum (float, double)** and **sum (String)**. Among these methods only method **sum (String)** will return a String to main method to print others methods print the result from their scope. Now create an object of overloading class and show output from each method. (Roll: 1 to Roll: 22)
2. Write a Java program with overriding methods where Parent class name **Bank** and child classes are **EximBank** and **DhakaBank**. Parent class has a variable named **salary** which holds 40000 takas and a method named **getSalary()**. Child classes will extend this salary 9% for **EximBank** and 11% for **DhakaBank**. After increasing salary from each child class, output should be printed in main method. (Roll: 23 to Roll: 44)
3. Write a java program that holds a interface named **Exam** with three abstract methods as **examSpring()**, **examSummer()** and **examFall()**. An abstract class named **Spring** will implements the **interface Exam** and method **examSpring()** will be implemented from this abstract class. Another class named **Summer** will extend rest of the unimplemented methods of **abstract class Spring**. Now create an object of **Summer** class and show a message from each method. (Roll: 45 to Roll: 65)