Sixth Semester B.Sc. Computer Science Practical Examination, April 2023
BCS6B14 – JAVA and PHP Programming
Time: 3 Hrs.   Practical: 60 marks, Viva: 10 marks, Record: 10 marks, Total: 80marks

PART A – JAVA

(*Draw Flow chart/class diagram for the marked question and write down its Java program.*
Flow chart/Class diagram -5 marks, Program - 15 marks and Output - 10 marks. Total -30
marks.)

1. Write a java program to find the volume of cube, rectangular box, cylinder using function overloading.

2. Create a class Account to deposit and withdraw money from a bank. Create a user defined exception "MinBalExp" to be invoked when the withdrawal amountis greater than balance.

3. Write a multi thread java program for displaying odd numbers and even numbers up to a limit (Hint: Implement thread using Runnable interface).

4. Write a program to merge two arrays.

5. Write a program to find the sum, difference, product, quotient, and remainder of two numbers passed as command line argument.

6. Write a Java Program to remove all vowels from a string.

PART B – PHP

(*Design and draw the user interface for the marked question and write PHP Program /*
JavaScript. User interface - 5 marks, script - 15 marks and Output - 10 marks. Total - 30
marks.)

1. Write a JavaScript program to find 1st January be a Sunday between a range of years.

2. Create a table student with fields roll no, name, mark, grade. Insert some records in the table. Write a PHP program to display the mark list of a student by accepting the register no of the student.

3. Write a JavaScript program to check whether the given sides can form a triangle. If yes, find the type (isosceles, equilateral and scalene) and area of the triangle. Use prompt dialogue box to accept the sides.

4. Write a JavaScript program to display Capital of a country using onchange event. The country is selected from a select box and capital is displayed on a TextBox

5. Change the text colour and back colour of a TextBox using onfocus and onBlur event

6. Design a form that accepts two integers. Provide 4 buttons for Add, Subtract, Multiply, Divide. Add JavaScript program to add, subtract, multiply and divide the given numbers when these buttons are clicked. Use output element to display the results.