

Sixth Semester BCA Practical Examination, April 2023**BCA6B14 – 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. Create a class Account to deposit and withdraw money from a bank. Create a user defined exception “MinBalExp” to be invoked when the withdrawal amount is greater than balance.
2. Write a program to count and display total number of objects created to a class (Hint: static members).
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. Using class and objects, write a java program to find the sum of two complex numbers (Hint: Use object as parameter to function).
6. Create a class Student to read and display the student details. Create another class mark inherit from student to read marks of 5 subjects and find total and average. Write a Java program to display the result of a student.

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. Create a table product with fields itemcode, itemname, unitprice. Write PHP program to insert 5 records into the table and display it in a table format.
2. 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.
3. Display Multiplication table using PHP and AJAX
4. Create a table bank with the following fields accno, cust_name, balance. Insert some Records. Design HTML page to accept Account Number and amount using TextBoxes and type of transaction (Deposit or Withdrawal) using Radio Button. Write PHP program to update balance according to the transaction
5. Write a JavaScript program to create clock with a timing event.
6. Write a PHP program to create an array and store 10 names in the array. Do the following operations. Display the contents using for each statement, Display the array in a sorted order.