Sixth Semester B.Sc. Computer Science Practical Examination, April 2017
BCS6B15 – JAVA and PHP Programming

Time: 3 Hrs. Total: 60 Marks

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 program to calculate the electricity bill by reading the consumer no and no of units consumed. The charges for different slabs are given below

   Up to 50 units Rs. 1.5 per unit

   50 – 100 units Rs. 2 per unit

   100 – 200 units   Rs. 2.8 per unit

   200 – 300 units   Rs. 3.5 per unit

   above 300 units   Rs. 4.50 per unit

2. Write a JAVA program to check whether a given number is perfect, abundant or deficient.

3. Write a JAVA program to read an array of 10 numbers and to find the following.

   a. Sum of the elements.

   b. Average of the elements.

   c. Maximum of the elements.

   d. Minimum of the elements.

4. Write a program in JAVA with class rectangle with the data fields *length, breadth. Calculate the area.* Create two objects of rectangle and compare their area.

5. Write a JAVA program to create a class complex. Create two objects and find the sum of two complex numbers. Read the real and imaginary part using constructor.

PART B – PHP

(Write a PHP script for the marked question. Design and draw the user interface and write down the script. User interface - 5 marks, script - 15 marks and Output - 10 marks. Total - 30 marks.)

1. Write a PHP program to check whether the given number is Armstrong or not.

2. Create a PHP program to display the bio data of a person by reading the personal details using an HTML page.

3. Create a Mysql table student with fields reg no, name, mark, and grade. Insert records in the table. Write a PHP program to display the mark list of a student by accepting the register no of the student.

4. Create a table "product" with fields itemcode, itemname, unitprice using Mysql. Write a PHP program to insert 5 records into the table and display it in a table format.

5. Write an HTML page to display a list of fruits in a list box. Write PHP program to display the names of the fruits which are selected by the user.