SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
CAT-II
Fall Semester 2018-19

Slot	: E2		
Course Name	: Internet and Web programming	**Course Code**	: CSE3002
Duration	: 90 Minutes	**Max. Marks**	: 50

PART – A (4 *5=20)

1. Write a PHP program to write 100 integers in to a text file. Read 10 numbers at a time from the file using PHP script and find the numbers which occurs odd number of times.

   Sample   Input   :   4,   5,   4,   5,   2,   2,   3,   3,   2,   4
   Output   :   2, 4

2. Find the output for the following code.

```php
<!DOCTYPE html>
<html>
<head>
<title></title>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
</head>
<body>
<table width="270px" cellspacing="0px" cellpadding="0px" border="1px">
<!-- cell 270px wide (8 columns x 60px) -->
    <?php
            for($row=1;$row<=8;$row++)
            {

            echo "<tr>";
            for($col=1;$col<=8;$col++)
            {
            $total=$row+$col;
            if($total%2==0)
              {
                echo "<td height=30px width=30px bgcolor=#FFFFFF></td>";
              }                                               Black.
            else
              {
                echo "<td height=30px width=30px bgcolor=#000000></td>";
              }
            }
            echo "</tr>";
            }
    ?>
</table>
</body>
</html>
```

3. Write down a PHP script for the game "Guessing a number". The script has to intialize a random number on its own and the user has to find that number. Through a HTML Form get input for the number, guessed by the user. Verify whether the user entered number is equivalent to the initialized number. If it is true, display the number of tries attempted by the user else give hint to find number like "too big", "too small". Use hidden form fields to maintain the number of tries done by the user.

4. Develop an Java application using hierarchy concept that accepts several types of orders: store orders, warehouse orders, and online orders.
   The following requirements have to be implemented:
   a. All orders share some common properties like order ID, a list of products, date/time created, and amount.
   b. Some types of orders may contain their own specific properties (store ID, store representative for store orders, warehouse ID for warehouse order and coupoun code for online order)
   c. Business logic for order validation and processing varies by type. Order cancellation logic is universal across all types.

PART – B (3 *10=30)

5. Create a PHP application which process a movie database created in MySQL with informations like actor's first name, middle name, last name, movie name and its rating.
   a. Write code to create the database and insert the values received from the HTML form.
   b. Get input for the last name of the actor in a text box and then return a PHP page with a table displaying the actors having the same last name and acted in the same movie.
   c. Create a PHP page which displays the movie name and its rating in a table in different colours based on the rating value given below.

HTML

Rating value range	Color
1 to 4	Red
5 to 7	Yellow
8 to 10	Green

6. Create a package named VITRational. It should have a class YYRational (YY is your initial). The class should have method to simplify the rational number. The input received from the user is of the form a/b as string and it is passed as argument to the method Simplify(string). This method has to display the simplified output.(eg:simplify(15/20) → output:3/4). Write a java application program which make use of the above method. *applet* .

7. Create a servlet application called 'msgboard' using cookies for session management. In this first get the user name, user preferences like his favourite, nick name, colour, language and cookies data maintenance duration through a HTML form.
   a. Create another form with a textarea for message posting.
   b. Whenever the user logs in, the text area should be in his favourite color and his nick name have to be appended at the end of the message.