



**VIT**  
Vellore Institute of Technology

## Final Assessment Test – November 2018

Course: CSE3002 - Internet and Web Programming

Class NBR(s): 5778 / 5779 / 5813 / 5814 / 5815 /  
5816 / 5817 / 5818 / 5925

Slot: E1

Time: Three Hours

Max. Marks: 100

Answer any TEN Questions

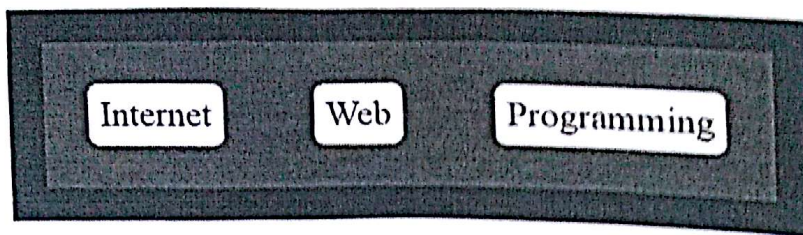
(10 X 10 = 100 Marks)

1. Write JavaScript code to retrieve all cookies details which are already stored on browser. If the cookies are created by amazon, flipkart and ebay online store, then remove all those cookies details and show the confirmation message.  
**Note:** Assume that amazon cookie name contains "amazon" as a substring, likewise for flipkart and ebay.
2. (a) What are the different ways to include one PHP file into another PHP file? Explain with an example. [4]  
(b) Elaborate how user can submit a form to same PHP script with an example. Your script should not allow attackers to inject client-side script into web pages viewed by other users. [6]
3. Create a package named VITRational. It should have a class Rational number. 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 and write down the steps to compile and execute the same java codes.
4. Design the below form using HTML5 and CSS3. Where ever necessary, make the form fields should not be empty. *key*



5. a) Design the below layout with necessary CSS3 properties.

[5]



- b) Develop a webpage to randomly change your favorite sports personality image in every one minute using CSS3. Upon mouse over on image show the descriptions of personality.

[5]

6. Design the website to perform interactive search (while user start typing the input in the form field, AJAX should show all words starting with given character or characters as suggestion) using AJAX.

7. Design the webpage to automatically play the video with subtitle using HTML5, to control a video write a JavaScript code to perform video pause, play and increase/decrease volume options. If user wish to play more than times, allow them to play by getting input (number of times to play) from the client.

*autoplay*  
*<script*  
*video-play*  
**Note:** Video file type should be World Wide Web Consortium(W3C) recommended standard otherwise don't play the video.

8. A project team working across the globe would like a simple mechanism for updating their project status. So, they decided to design a Message Board which would allow project team member to post their status and view all the status update messages. As a web developer design and implement a solution using Java Server Page.

9. a) Elaborate the important roles of Client-Side and Server-Side scripting language to design the Online shopping website. [6]

- b) "Form verification could be done by using JavaScript". Justify your answer and also discuss importance of verification. [4]

10. (a) Show how JavaScript can be used to visit previous and forward webpages of the web browser without the help of history.back() and history.forward() methods. [5]

- (b) A security analyst needs to write numbers to a text file. Each line in the file can have a different count of numbers as shown below. Each number on the same line is separated by tab (\t). The analyst, when reading from the file would like to read from any specific line that is required. If that line contains a single number the number should be displayed as such with no change. If the line contains multiple numbers, then the sum of all the numbers is displayed. Design and implement the solution for the same. Ensure that all the input data are only numbers. [5]

```
5
15 10
20 25
50
200
50 60
75 100 4
```

11. Design the Web page that contains a form with two buttons namely "Between 2005-2015 worst Male Actor" and "All-time best movie". Perform the following database operations using Servlet with JDBC Code.

**Table schema**

actors(id, first\_name, last\_name, gender)

movies(id, name, year, rank)

roles(actor\_id, movie\_id, role)

- (i) Write a query that lists the male actors who appeared in a movie during 2005-2015, that was rated lower than 3.0.
- (ii) Write a query that lists all actors who was in a movie rated higher than 8.5 two or more times. List the name of the actor, the movie and each rating.

12. Design the following form with HTML controls. Perform validation using PHP for all the text boxes and make it mandatory fields. Password and confirm password should be same. Password must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters

## My User Registration Override

**User Registration**

**\* Required field**

Name: \*

Username: \*

Password: \*

Confirm Password: \*

Email Address: \*

Confirm email Address: \*

or

