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**Question Paper Code : 40909**

**B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018**

**Fifth Semester**

**Computer Science and Engineering**

**CS 6501 – INTERNET PROGRAMMING**

**(Regulations 2013)**

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer ALL questions**

**PART – A**

**(10×2=20 Marks)**

1. If MyAbstractClass is an abstract class, would the following statement produce an error. Justify your answer.

`MyAbstractClass myClassInstance = new MyAbstractClass();`

2. What is the advantage of using the finally block when handling exceptions ?
3. Differentiate internet and intranet.
4. When users enter a Uniform Resource Locator (URL) address, into a web browser, how is the specific document retrieved from a web server ?
5. Write the javascript methods to retrieve the data and time based on the computers locale.
6. What is the need to use JSTL tags ?
7. What is the advantage of RSS documents ?
8. Using PHP check if the word "life" is found in the text "The many lessons of life".
9. What is the need for SOAP ?
10. What are web services ?



11. a) Explain the stages of threads in java. With examples explain the ways to create threads.

(OR)

- b) Explain the methods in the lifecycle of an applet. With examples explain how to create an applet with the message “Internet Programming”, call the code from html and pass parameters to applets.

12. a) Create a form in HTML5 to provide the list of grocery for the month from the list in the web site. Create using forms, labels, text boxes, lists. Allow the user to enter his details to get the grocery delivered to his house.

(OR)

- b) Create a web site to get feedback from the users using CSS.

13. a) Explain DOM nodes and DOM trees. With examples show how to model a document using DOM and how to traverse and modify DOM trees.

(OR)

- b) Explain the lifecycle of servlets with suitable examples.

14. a) What are cookies ? With examples differentiate session and persistent cookies and explain how to write and read cookies.

(OR)

- b) Write an XML markup for a business letter and explain the elements used.

15. a) With a neat diagram explain the Ajax client server architecture. With an example differentiate classic HTML5 forms from Ajax forms. Summarize some of the XMLHttpRequest object's properties and methods.

(OR)

- b) Give the basic structure of a WSDL and show how they are used to create, publish, test and describe web services.



16. a) Create a web page for a company with buses plying in different routes. Store details of the users in the database, enable users to book tickets using the web site and display the bus ticket with fare for the users using PHP.

(OR)

- b) Use CSS and javascript to create a program that allows you to drag and drop multiple images (including one with a mouse) as thumbnails. When the user clicks the image with the mouse, it should follow the cursor until the mouse button is released. When the other images are clicked, the larger version should grow from the top-left corner of the main image area till it reaches its full size. Allow the user to select the page's background color and whether the page should use serif or sans serif fonts. Then change the body element's style attribute accordingly.