

15.4.14 FN

Roll No.

--	--	--	--	--	--	--	--	--	--

B.E / B.Tech (Part Time) DEGREE END SEMESTER EXAMINATIONS, APR / MAY 2014

INFORMATION TECHNOLOGY

III Semester

PTIT8351 Web Technology

(Regulation 2013)

Time : 3 Hours

Answer ALL Questions

Max. Marks 100

PART- A (10 x 2 = 20 Marks)

1. What do you mean by Reflection property?
2. Write a Java applet program to welcome a new person.
3. How do you fetch the contents of Web using URL class?
4. Mention the significance of FTP.
5. Write a Java script program to change the color of the image when mouse has been placed over it.
6. Define XML DOM.
7. Differentiate Passivation and Activation in Beans.
8. List down the different types of JSP directives.
9. How navigation takes place in JSF?
10. What are the benefits of SPRING framework?

Part – B (5x16=80 marks)

11. i) Explain Thread Synchronization with an example program. (8)
ii) Write a Java program to read a text file and display the number of vowels and consonants present in that text file. (8)
12. a) i) Develop a chat application which sends messages between two users using TCP sockets. (10)
ii) Write short notes on SMTP. (6)

(OR)

- b) i) Write a Java Program to design a calculator using Remote Method Invocation, where the remote interface contain addition, subtraction, multiplication and division methods that can be remotely invoked by the client. (16)

13. a) i) List out the various kinds of AJAX frameworks and discuss about each. (8)
ii) Develop an XML file for an IPL cricket match schedule and validate with its schema. (8)

(OR)

- b) i) Discuss the functionality of SAX parser with an example. (6)
ii) Develop a user registration form in AJAX to accept the personal interest (hobbies) of the user with a PHP script to validate it. Also suggest websites based on his interest using Databases. (User details need to get validated and suggestions must be retrieved from the database). (10)

14. a) i) Write a Java Servlet program that uses session tracking to count the number of times a client has accessed it. The Servlet also displays the date and time when this page was last accessed and the current access. (8)
ii) Sketch the architecture of Enterprise Java Beans in detail. (8)

(OR)

- b) i) Write a JSP program to create and display a password cookie. (8)
ii) Explain the lifecycle of a Servlet with an example program. (8)

15. a) i) Discuss about the Model View and Front Controller Patterns in detail. (8)
ii) Write a Hibernate mapping file which maps the employee class attributes to the database tables automatically. (8)

(OR)

- b) i) How struts could be used to implement Action Form? Explain with an example. (10)
ii) List out and explain the components of JSF with an example for each. (6)
