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Question Paper Code : X20400

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020
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. List the properties of Threads.
2. Define transient and volatile modifiers.
3. List the unique features of java.
4. Differentiate internet and intranet.
5. Write appropriate Javascript code to remove an element (current element) from a DOM.
6. Write the code segment to store current server time in session using Java servlet API.
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 of SOAP ?
10. What is meant by a web service ?



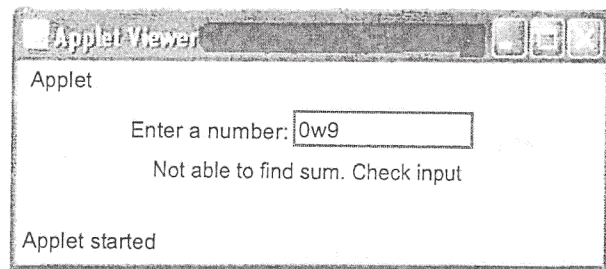
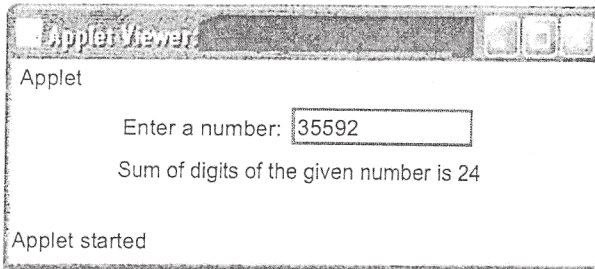
PART – B

(5×13=65 Marks)

11. a) Consider a scenario where one thread (producer) is producing integer data starting from 0 and another thread (consumer) consuming it. In addition, assume that the producer has to wait until the consumer is finished consuming before it generates more data. Using Java's interprocess communication mechanism, implement the above producer and consumer.

(OR)

- b) Write a Java program to find the sum of the digits of a given number. Create a Swing GUI to get an input number and show the sum of its digits as shown below. In case the sum cannot be found due to incorrect input, the applet should print "Not able to find sum. Check input".



12. a) i) Discuss the structure of the HTTP request message. (7)

- ii) Explain about the XHTML DTD with an example. (6)

(OR)

- b) i) Explain the significance of XHTML with the help of a real time application. Write necessary code snippets. (7)

- ii) Discuss the functionalities of Web server and Webclient in detail. (6)

13. a) Write a program that allows the user to select a favourite programming language and post the choice to the server. The response is a web page in which the user can click a link to view a list of book recommendations. The cookies previously stored on the client are read by the servlet and form a web page containing the book recommendation. Use servlet, cookies and HTML. (13)

(OR)

- b) Write a complete query application for books database using JDBC. (13)



14. a) What are cookies ? With examples differentiate session and persistent cookies and explain how to write and read cookies. **(13)**

(OR)

b) Write an XML markup for a business letter and explain the elements used. **(13)**

15. a) Discuss Ajax client server architecture in detail. **(13)**

(OR)

b) Write short notes on :

i) SOAP. **(7)**

ii) WSDL. **(6)**

PART – C

(1×15=15 Marks)

16. a) Design HTML forms by embedding JSP code for submission of a resume to a job portal website with appropriate database connectivity. **(15)**

(OR)

b) Design a PHP application for College Management System with appropriate built-in functions and database. **(15)**
