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Question Paper Code : 50436

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023.

Sixth Semester

Computer Science and Engineering

CS 8651 – INTERNET PROGRAMMING

(Common to: Computer and Communication Engineering)

(Regulations 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

PART A — (10 × 2 = 20 marks)

1. What is the difference between web design and web development?
2. Is HTML and CSS enough to create a website?
3. What is a prompt box in JavaScript?
4. What is JSON and write down with example?
5. How session handling is done in server-side scripts?
6. State the purpose of cookies.
7. Is PHP and XML the same? Justify.
8. What is XML DOM? List the benefits of DOM.
9. Differentiate between synchronous and asynchronous requests.
10. What are the real web applications of AJAX currently running in the market?

PART B — (5 × 13 = 65 marks)

11. (a) What are static and dynamic Web sites? Explain with examples. List down the various steps in Web hosting? Explain each.

Or

- (b) Explain forms in HTML5. Develop a Job application form using Text, Text area, label, Check box, Radio buttons, Button, Dropdown Menu items.

12. (a) (i) Evaluate how DOM Nodes and Trees can be used. (6)
(ii) Demonstrate a java script to display the welcome message using the alert whenever button of a html form is pressed. (7)

Or

- (b) (i) Differentiate between Exception Handling and Event Handling. (6)
(ii) Write down the concepts of Event Handling. (7)

13. (a) Develop a Book database that has a table Members with two columns Member id and Name. Write a JDBC program that can query and print all entries in the table members. Write down the steps for connecting with database.

Or

- (b) Describe in detail the session handling in server-side programming with suitable example.

14. (a) Explain in detail about

- (i) XSL and XSLT transformation (6)
(ii) Comparison of DOM & SAX (7)

Or

- (b) Explain how you shall carry out the following String Manipulations using a PHP Program.

- (i) Tokenizing the sentences (6)
(ii) Identifying the vowels in the sentence (7)

15. (a) (i) Deduce any two elements of WSDL. (7)
(ii) Analyze various concepts of RPC. (6)

Or

- (b) Explain the structure of a WSDL document, its elements, and their purposes with appropriate examples.

16. (a) Develop a website for orphanage which takes care of orphanage children. It should contain Menu pages, submitting information, images using tables, lists and CSS.

Or

- (b) Create an XML HttpRequest to retrieve data from an XML file and display the data in an HTML table. The data to be retrieved is a collection of stationary items stored in an XML file.