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Question Paper Code : 50458

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2024.

Fifth/Sixth Semester

Computer Science and Design

CCS 375 – WEB TECHNOLOGIES

(Common to : Computer Science and Engineering/ Computer Science and Engineering (Artificial Intelligence and Machine Learning)/Computer Science and Engineering (Cyber Security)/Computer and Communication Engineering/ Electronics and Communication Engineering/Mechanical Engineering)

(Regulations 2021)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare between server and client in web.

2. What are HTTP Request Message? Give example.

3. How to remove a character from string in JavaScript?

4. Differentiate between exception handling and event handling.

5. What is the difference between GET and POST methods?

6. What is servlet?

7. Differentiate between validness and well-formedness of a XML document.

8. What are the data types supported by PHP?

9. What are the difference between JSP and HTML?

10. How to use jQuery in Angular?

PART B — (5 × 13 = 65 marks)

11. (a) Explain about different elements to design a table. Write a code to create a table for your class timetable using HTML.

Or

(b) (i) Explain different types of style sheet in CSS with suitable examples.   (7)

     (ii) Compare between transition and animation in CSS with examples.   (6)

12. (a) Explain various operators and data types available in Java Script with examples.

Or

(b) (i) What is the need of scripting languages in Web Technologies. (6)

(ii) Write a JavaScript program to convert temperature from Celsius to Fahrenheit and vice versa. (7)

13. (a) (i) What are the advantages of Servlets over CGI. (5)

(ii) Explain Life Cycle of a Servlet with its architecture diagram. (8)

Or

(b) Demonstrate the use of cookies in Servlets with an example.

14. (a) (i) Design a PHP script for uploading a file to the server and display the details of the uploaded files. (6)

(ii) List and explain the string functions in PHP. (7)

Or

(b) (i) Compare and contrast between XML schema and DTD. (6)

(ii) Write in detail about PHP form validations with example. (7)

15. (a) Explain in detail about MVC architecture with neat diagram.

Or

(b) (i) How to reload or re-render the entire page using Angular JS? (5)

(ii) How to add input fields dynamically on button click in Angular JS? (8)

PART C — (1 × 15 = 15 marks)

16. (a) Write a php program to check the user credentials, whether they are correct or not. If the credentials are correct then the user will be redirected to another page. Also provide a forget password option to enable the users to retrieve credentials.

Or

(b) Write a code to create a customer registration page for an ecommerce application using Java Servlet with database connectivity.

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