

Internet Programming - Dec 18

Information Technology (Semester 5)

Total marks: 80

Total time: 3 Hours INSTRUCTIONS

- (1) Question 1 is compulsory.
- (2) Attempt any **three** from the remaining questions.
- (3) Draw neat diagrams wherever necessary.

1.a. Create a HTML page Showing a message "I use media query" . Write media query such that the text color changes to light gray when browser window is 600px wide or less and otherwise it is black.
(5 marks)

1.b. Explain Geo Location API with example usage.
(5 marks)

1.c. What are characteristics of Rich Internet Application?
(5 marks)

1.d. Differentiate between REST and SOAP.
(5 marks)

2.a. What is AJAX? Explain steps required to process AJAX with example.
(10 marks)

2.b. Explain various cross browser compatibility issues
(10 marks)

3.a. What are benefits of using JSON over XML data. Create a XML page storing name, country, runs scored, balls faced for three batsmen. Represent same data as JSON object
(10 marks)

3.b. Explain micro data with suitable example. How to verify support for Micro Data?
(10 marks)

4.a. Explain how session management is done in PHP. Clearly explain how to create, access, modify session variables in PHP
(10 marks)

4.b. Explain important features of Django framework.
(10 marks)

5.a. Create a HTML form that accepts first name, last name, department and designation from user. Create a PHP code that stores this information in a mysql database named employee with an existing table emp_details having appropriate schema and acknowledges the user through appropriate message about success or failure during data insertion. Assume suitable user name and password to access database.
(10 marks)

5.b. Explain with proper syntax and example how to use different types of CSS selectors.
(10 marks)

6.a. Explain <audio>, <video>, and <canvas> elements in HTML 5.
(10 marks)

6.b. Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.
(10 marks)