

1059  
B.E. (Computer Science and Engineering)  
Fourth Semester  
CS-402: Web Technologies

Max. Marks: 50

3 Hours

Answer *five* questions in all, including Question No. 1 which is compulsory and selecting *two* questions from each Unit.

x-x-x

Answer the following:-

- a) What is the role of style sheet in HTML?
- b) Write any two important features of web programming over application programming.
- c) How HTML is different from DHTML?
- d) Write down the technologies in AJAX.
- e) What are the main limitations of DTD?
- f) What is the role of JVM in Java?
- g) What is XML DOM?
- h) What is a cookie?
- i) What are get and post methods in PHP.
- j) State the importance of dialog boxes in JavaScript.

UNIT - I

Explain the following terms related to html:-

- a) Cell padding and Cell spacing
  - b) List
  - c) Frames
  - d) Nested tables
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- a) What is HTTP and how does it works? State differences between HTTP and HTTPS?
  - b) Explain different types of internet connection with their relative merits and demerits. (5,5)
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- a) Write a JavaScript program to find largest and smallest number from the given list of integers.
  - b) Write a JavaScript program to compute the sum of first n natural numbers. (5,5)

P.T.O.

(2)

UNIT - II

- V. a) Find the largest number in a list in PHP?  
b) Write a PHP script to sort a list of numbers in an ascending order. (5,5)
- VI. a) Discuss various conditions for XML file to be a valid one. Explain the role of XML schema with a suitable example.  
b) What is the importance of AJAX in web technology? How it works? (5,5)
- VII. a) Show how an XML schema can be created. Explain and show how XML is useful in defining data for web applications.  
b) What is an exception? What are different exceptions in Java? Explain how you can handle exception in JAVA with the help of an example using try-catch-finally block. (5,5)

x-x-x