

2125

B. E. (Computer Science and Engineering)
Third Semester
CS-304: Web Technologies

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Answer the following:-

- a) Compare web programming over application programming.
- b) Write appropriate HTML tags and commands to display formatted text and insert an image into a webpage.
- c) Explain the role of variables and data types in PHP.
- d) What is the use of GET and POST methods in PHP?
- e) What is the use of DTD in XML? (5x2)

UNIT - I

- II. a) What are JavaScript events? Explain with examples how onClick, onMouseOver, and onChange events work.
b) What is the role of CSS? Discuss in brief about different kinds of CSS with a suitable program. (2x5)
- III. a) How can an XML document be validated against a DTD? Illustrate with an example.
b) Elaborate Internet addressing and types of Internet connections. (2x5)
- IV. a) List advantages and disadvantages of DHTML over static HTML.
b) Define arrays in JavaScript and explain their usage. (2x5)

UNIT - II

- V. a) Write a PHP program to display the Fibonacci series up to n terms.
b) Describe how AJAX works with PHP to retrieve data from a MySQL database.

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- VI. a) How XML is useful in defining data for web applications.
b) Explain how PHP and MySQL work together to create dynamic web pages. (2x5)
- VII. Write note on the following:-
a) Session and cookie handling in PHP session
b) Synchronous and asynchronous AJAX calls
c) XML DOM
d) Static and dynamic web pages (4x2½)

x-x-x