

Exam.Code:5143  
Sub. Code: 14323

2125  
B.Sc. (Hons.) Bio-Informatics (FYUP)  
Third Semester  
BINF-304: Internet Programming  
(Common with B.Sc. Biotechnology 3<sup>rd</sup> Semester NEP)

Time allowed: 3 Hours

Max. Marks: 60

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

*x-x-x*

I. A) Define the following terms:-

- a) Domain name server
- b) Absolute path
- c) JavaScript Object
- d) CSS Selector

(4)

B) Fill in the blanks:

- a) \_\_\_\_\_ tag is used to create a hyperlink in HTML.
- b) JavaScript function used to display alert message is \_\_\_\_\_.
- c) DHTML stands for \_\_\_\_\_.
- d) The <form> tag uses \_\_\_\_\_ attribute to specify the submission page. (4)

C) Write short answers:

- a) State two differences between client-side and server-side scripting.
- b) What is the use of on Click event handler? Give small example. (4)

**UNIT - I**

II. Explain the structure of an HTML document with a neat example. Also describe any four common tags used for text formatting. (12)

III. a) What is CSS? Explain three different ways to include CSS in a webpage.

b) Write a short note on CSS box model with diagram. (12)

P.T.O.

(2)

- IV. Describe HTML form elements and their attributes. Give suitable examples for input types like text, password, checkbox, and radio button. (12)

UNIT - II

- V. What are JavaScript operators and conditional statements? Write a program to check whether a given number is even or odd using if-else statement. (12)
- VI. Write a JavaScript program that dynamically validates a form as follows:  
a) Ensures the "Username" is at least 6 characters.  
b) Checks that "Email" contains "@" and a domain.  
c) Displays appropriate messages without reloading the page.  
Explain how event handling and the Document Object Model (DOM) are used in your code. (12)
- VII. What are Event Handlers in JavaScript? Explain any six event handlers with examples. (12)