

Exam.Code:0043  
Sub. Code: 1010

1127  
B.Sc. (Hons.) Bio-Informatics  
Fifth Semester  
BIN-5001: Internet Programming

Time allowed: 3 Hours

Max. Marks: 60

**NOTE:** Attempt five questions in all, including Question No. 7 (Section-C) which is compulsory and selecting atleast two questions each from Section A-B.

x-x-x

**SECTION-A**

- 1) Define and differentiate the following:
  - a) Internet and WWW
  - b) Web Server and Proxy Server (6, 6)
- 2)
  - a) What is HTML? Explain how a basic table is created in HTML. What is the syntax for creating a bordered two row and two column HTML table?
  - b) Create a simple HTML page which demonstrates the use of the various types of lists. Add a definition list which uses an unordered list to define terms. (3, 6)
- 3)
  - a) What is Cascading Style Sheet? Explain different types of it, by taking appropriate examples.
  - b) Insert an image into a web page. Write a DHTML script which displays a message when the mouse is over the image. The co-ordinates of the mouse should be displayed if click is attempted on the image. (6, 6)

**SECTION-B**

- 4)
  - a) What is JavaScript? What advantages are there to using JavaScript to manipulate a web page rather than sending all requests to the web server?
  - b) Explain the use of various looping constructs in Java Script, with examples. (6, 6)
- 5)
  - a) Write a JavaScript to validate a form consisting of a username and a password. Also navigate to another web page after validation.
  - b) What is document object? Show its use in accessing the form elements with example. (6, 6)
- 6) What is event handler? How do you define an event handler? Explain the following events:
  - a) OnBlur
  - b) OnError (12)

**SECTION-C (Compulsory Question)**

- 7)
  - a) What is HTTP?
  - b) Explain in what way JavaScript is different from HTML.
  - c) Explain Frames in HTML.
  - d) What are image maps?
  - e) What is meant by a regular expression (regExp)?
  - f) Explain the *alert()* method of Window Object in JavaScript.
  - g) What is the *mask-image* CSS property?
  - h) What the *Alpha filter* does to an element on a web page? (8x1.5=12)

x-x-x