

Total number of printed pages – 7

B. Tech

BCSE 3405/BCSE 3403

Seventh Semester Examination – 2008

INTERNET AND WEB TECHNOLOGY /  
TECHNOLOGIES

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory  
and any five from the rest.*

*The figures in the right-hand margin  
indicate marks.*

1. Answer the following questions : 2×10
- (a) What is HTML? How to check the correctness of HTML program?
- (b) When we type an address into the web browser, how does it know which web server to get the page from ?

P.T.O.

- (c) What is the use of MAC address in connecting a computer to internet ?
- (d) What is an Internet Protocol ? Name different internet protocols that used by user applications to interact with other computers.
- (e) What does HTML stand for ? What is a tag ? How do tags work ?
- (f) How do you test your web page ?
- (g) How do you submit a form using JavaScript ?
- (h) Give the output for the following script :

```
<Script Language="VBScript">  
B=10  
For A=1 to 12 step 3  
  C=A+B  
  Document.Write(C)  
  B=B-1  
  Document.Write("<BR>")  
Next  
</Script>
```

- (i) What are JavaScript types ? How do you convert numbers between different bases in JavaScript ?
- (j) Define and differentiate between static and dynamic HTML.

2. (a) How to create arrays in JavaScript ?  
2.5
- (b) Can a CGI script be used to generate both text and inline images ?  
2.5
- (c) How to use the caches to make CGI scripts faster and more Net-friendly ?  
2.5
- (d) What is the difference between Session-State and View State ?  
2.5
3. (a) How can JavaScript make a web site easier to use ? That is, are there certain

JavaScript techniques that make it easier for people to use a Web site ? 5

(b) Write an HTML code for creating a form, which accepts the birth date from the user in a textbox and displays the day of the week in a message box on the click of a button. 5

4. (a) What are JavaScript types ? How do you convert numbers between different bases in JavaScript ? 5

(b) Explain the basic of web architecture with reference to web server and web *client*. 5

5. (a) What are the advantage and disadvantage of CGI ? 2

(b) Write the HTML code to generate a Web Page in the format given below : 8

Consider the following while writing the HTML code :

(i) Title of the page should be "Hospitality Industry".

(ii) Background colour of the page should be "Silver", link colour should be "Maroon", visited link colour should be "Red".

(iii) Picture used in the page is the file "beach.jpg".

(iv) Table should have a border of width 2.

(v) Use the concept of nested lists for creating the list given in the web page with specified bullets.

(vi) Pages linked to :

- Front Office as "front.html"
- Food & Beverages as "food.html"

6. (a) What are CGI scripts ? How you will ensure that the CGI-Script obtains correct values submitted in the web page ? 5

(b) Write a program that converts a string to a number using JavaScript. 5

7. (a) Write a VBScript program that could be used as part of a logon script to display the amount of free space on each of the drives on a computer. 5

(b) What are the problems associated with using JavaScript, and are there JavaScript techniques that you discourage ? 5

8. Create a form that contains two checkbox options and a textbox as shown below. When the user clicks on any checkbox the selected

options must be displayed in the textbox. Write the HTML code for creating the form and the embedded VBScript code for the click events of the checkboxes. 10

The Check Box Control - Click on a check box.

Please select the categories that interest you.

Movies

Books

You have selected : books

IWL