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R 3263

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2007.

Seventh Semester

(Regulation 2004)

Computer Science and Engineering

CS 1401 — INTERNET PROGRAMMING

(Common to B.E. (Part-Time/Sixth Semester Regulation 2005))

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the primary function of an HTTP server?
2. What is the difference between an absolute pathname and a relative pathname?
3. For each of the following, write down the value that will be stored in result
double result;
int num1 = 5, num2 = 12, num3 = 2;
double val1 = 5.0, val2 = 12.0, val3 = 2.0;
(a) result = num1 * num3 * 4% num2/val3;
(b) result = num1+++++num2;
4. What is an important difference between writing a Java application and a Java applet?
5. What is the benefit of using JavaScript code in an HTML document?

6. For the following form, write down the Javascript code to swap the contents of the two text boxes

```
<FORMNAME="DaForm">
```

```
Input text 1 : <INPUT TYPE="TEXT" NAME="A">
```

```
Input text 2 : <INPUT TYPE="TEXT" NAME="B">
```

```
</FORM>
```

7. Which function can be used to create an Alert popup dialog box? Write an example to create an Alert popup box.
8. State the commands in cascading style sheet used for grouping of elements.
9. What is servlet? How do you compare servlet and traditional CGI programs?
10. How can you create JDBC statements?

PART B — (5 × 16 = 80 marks)

11. (a) List the 5 layers used by the Internet. For each layer you list, give the general purpose of each layer as well as a current implementation. (16)

Or

- (b) Explain the concept of TCP data transmission. (16)
12. (a) Write a program in JAVA that determines and prints the number of odd, even and zero digits in an integer value read from the keyboard. (16)

Or

- (b) What is the use of the applet? Explain its life cycle with an example. (16)
13. (a) Write a JavaScript function named drawstripes that will draw a number of colored stripes*by generating an HTML table in which each row has a (possibly) different color. Your function must accept 3 parameters :

- width, the width of each stripe
- height, the height of each stripe
- colors, an array in which each element is the name of a color. Each color name is a valid HTML, color (can be used as the value of a BGCOLOR attribute or CSS color property). (16)

Or

- (b) Explain how you could use HTML frames to provide a website that includes an advertisement for your company along with the content from any other web page. Show that HTML you would need to do this, assume that for your example the "other web page" is www.yahoo.com. Make sure that you explain how this works. (16)

14. (a) Write a program using Cascading Style Sheet (CSS) to display the background image repeatedly in a file. (16)

Or

- (b) Describe the use of Data binding and data control in DHTML. (16)

15. (a) Explain Java Servlet life cycle and interfaces in detail. (16)

Or

- (b) Describe the operation of retrieval of a webpage with its associated messages using HTTP. (16)