



MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL 576104
(Constituent College of Manipal University)
SIXTH SEMESTER B.E. (IT) DEGREE END SEMESTER EXAMINATION MAY – 2011
SUBJECT: INTERNET TECHNOLOGY AND APPLICATIONS – ICT 302
(REVISED CREDIT SYSTEM)



Reg. No.

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TIME: 3 HOURS

16/05/2011

MAX. MARKS: 50

Instructions to candidates

- * Answer any **FIVE FULL** questions.
- Missing data, if any, may be suitably assumed.

1A. Write a JavaScript program that displays text “TEXT-GROWING” with increasing font size in the interval of 100ms in RED color. When the font size reaches 50pt it displays “TEXT-SHRINKING” in BLUE color. Then the font size decreases to 5pt.

1B. What are hidden frames? Explain with the syntax.

1C. Differentiate between filters and transitions.

(5+3+2)

2A. Write an applet to simulate an elevator. The program should start with a person entering a particular cubicle before which a choice is asked as to which floor he has to go and the direction. Then the lift should be shown moving with the person getting out of the lift at the appropriate floor.

2B. Explain the following methods with an example: toLocaleString() and getTime().

2C. When do we use escape() and unescape() methods? Explain.

(5+3+2)

3A. Create the file ITStyleSheet.css. This file needs to incorporate the following “style” items for all of the pages included in this assignment. Link it to HTML file so that the style rules will be applied to the HTML file.

- a. All text: Black color
- b. All fonts: Sans-serif
- c. Background Images: All pages use MITPicture.gif as the background image.
- d. All headings: Thin white border, your choice of border type with a gray background color.
- e. Hypertext links: Should be white color in all states(visited or not visited). When the mouse is positioned over the link, a white underline should appear.

3B. Describe various “target” attributes with an example program.

3C. Write a DHTML program to implement a z-index effect of overlap.

(5+3+2)

4A. Create a XML file with a XDR schema code for storing the marks record of the students. The mark record has name, roll number and subjects as field names. Write a program to retrieve the elements of the XML document and display the marks statement in a table format.

4B. Differentiate between ordered and unordered lists. Explain each with an example.

4C. What are the advantages of using frames?

(5+3+2)

5A. A company wants to transmit data over the telephone. All of their data is transmitted as four digit integers. Write a program using VBScript that will encrypt the data so that it may be transmitted more securely. The program should read a four digit integer and encrypt it as follows. Replace each digit by (the sum of that digit plus 7) modulus 10. Then swap the first digit with the third and second digit with the fourth.

5B. How do you create file system object and folder objects? Explain with syntax.

5C. List and explain the string methods that generate HTML tags.

(5+3+2)

6A. Create web page that allows user to select one or more books by using check boxes. Display the name of the each book and its price. Display current total in a text box at the bottom of the page.

When a book is selected update the total. Display the selected book at the status bar.

6B. What is the use of MARQUEE tag? Explain with all its attributes.

6C. Explain alpha filter with all its attributes.

(5+3+2)
