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MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL 576104  
(Constituent College of Manipal University)



**SIXTH SEMESTER B.E. (IT) DEGREE MAKEUP EXAMINATIONS, JULY – 2011**  
**SUBJECT: INTERNET TECHNOLOGY AND APPLICATIONS – ICT 302**  
**(REVISED CREDIT SYSTEM)**

**TIME: 3 HOURS**

**12/07/2011**

**MAX. MARKS: 50**

**Instructions to candidates**

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

1A. Write an applet to display moving text. Use threads.

1B. Write a DHTML code that reads a 5 letter word from the user and produces all possible three letter words. Three letter words are derived from five letter word.

1C. How do you create word application using VBScripts? Explain.

(5+3+2)

2A. Explain different types of style sheets with an example for each.

2B. Discuss different properties of the Navigator object.

2C. Which is the main tag used for Data Binding? Explain all its parameters.

(5+3+2)

3A. A parking garage charges Rs. 2.00 minimum fee to park for up to three hours. The garage charges additional Rs. 0.50 per hour in excess of three hours. Write a VBscript that calculates and displays the parking charges for each customer who parked a car in the garage. The user should enter the hours parked by each customer. The program should display the charges for each customer and list of customers who have parked in the previous day. The program should use the function calculateCharges() to determine the charge of each customer.

3B. List and explain various conversion functions of VBScripts.

3C. Differentiate between Frameset and a Frame?

(5+3+2)

4A. What is Data Island? How to display the data recorded in the Data Island?

4B. With an example explain wave filter and all its attributes.

4C. What is the purpose of using SOAP?

(5+3+2)

5A. Write a program using VBScript that allows user to enter name, email address and phone number. Perform the validation of the entered details. The names can contain only letters. Email address must be of the format [userid@name.extension](#) and phone number should be of the format(555-5555).

5B. What are transitions? Explain reveal transitions.

5C. Create a web page which applies the glow filter to a text if the user moves the mouse over the text.

(5+3+2)

6A. Write a program using JavaScript that uses random number generation to create sentences. Use four arrays of strings called article, noun, verb and preposition. Create a sentence by selecting a word at random from each array in the following order: article, noun, verb, preposition, article and noun. As each word is picked, concatenate it to the previous words in the sentence. The words should be separated by spaces. When the final sentence is output, it should start with a capital letter and end with a period. The program should generate 20 sentences and output them to an HTML text area. The arrays should be filled as follows: the article array should contain the articles "the", "a", "one", "some", and "any" ; the noun array should contain the nouns "boy", "girl", "dog", "town" and "car"; the verb array should contain the verbs "drove", "jumped", "ran", "walked" and "skipped"; The preposition array should contain the prepositions "to", "from", "over", "under" and "on".

6B. Write an error handler that changes the **alt** text of an image to "Error Loading" if the image loading is not completed.

6C. What are descriptive lists? Explain with an example.

(5+3+2)

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