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Question Paper Code : 81305

M.E. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Second Semester

Computer and Communication

CP 9223 / CP 923 — INTERNET AND JAVA PROGRAMMING

(Regulation 2009)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the recommendations of W3C?

2. How to provide comment lines in HTML?

3. What is the purpose logic match tag? Give an example.

4. What do you mean by tabular data control?

5. List down the objects involved in Java Script.

6. What is Event Bubbling?

7. How to check well formness of XML document?

8. What are the DOM components available?

9. Write down the merits and demerits of CGI.

10. What are the features of PHP?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss about the history of Internet. (6)

(ii) Using HTML forms design a website for email account creation. (10)

Or

(b) Create HTML application for displaying items in a departmental store using tables, images, ordered and unordered lists. (16)

12. (a) Apply flip filters, chroma and wave filters to an image, write a DHTML code for that? (16)

Or

(b) With the help of a DHTML code, Explain on how to bind table and image. (16)

13. (a) (i) Develop a Java Script program that will determine whether a department-store customer has exceeded the credit limit on a charge account. For each customer, the following facts are available.

(1) Account Number.

(2) Balance at the beginning of the month.

(3) Total of all items charged by this customer this month.

(4) Total of all credits applied to this customer's account this month.

(5) Allowed credit limit.

The program should input each of these facts from **prompt** dialogs as integers, calculate the new balance (= beginning balance + charges – credits), display the new balance and determine whether the new balance exceeds the customer's credit limit. For customers whose credit limit is exceeded, the program should displays the message "Credit limit exceeded". (8)

(ii) Write a Java Script program that inputs an excrypted four-digit integer and decrypts it to form the original number. (8)

Or

(b) (i) Write a function **multiple** that determines, for a pair of integers, whether the second integer is a multiple of the first. The function should take two integer arguments and return **true** if the second is a multiple of the first, and **false** otherwise. Incorporate this function into a script that inputs a series of pairs of integers (one pair at a time, using **JTextFields**). The form should consist of two text fields and a button to initiate the calculation. The user should interact with the program by typing numbers in both text fields, and then clicking the button. (8)

(ii) Write a script that inputs a telephone number as a string in the form **(555) 555-5555.** The script should use **String** method **split** to extract the area code as a token, the first three digits of the phone number as a token and the last four digits of the phone number as a token. Display the area code in one text field and the seven-digit phone number in another text field. (8)

14. (a) Create a XML document for storing student's personal details and academic details. Write a DTD, XML schema and XSLT for that. (16)

Or

(b) Create a XML document for article. Manipulate the document using javascript and mathxml parser. (16)

15. (a) (i) Process a feedback from using PHP, write a code for that. (8)

(ii) Implement a cookie in the client's machine using PHP. (8)

Or

(b) (i) Write a Perl program that tests whether an e-mail address is input correctly. A valid e-mail address contains a series of characters followed by the @ character and a domain name. (6)

(ii) Write a PERL code to implement a QUIZ program using database connectivity. (10)
