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**Question Paper Code: 22002**

M.E. DEGREE EXAMINATION, MAY 2014.

Second Semester

Computer Science and Engineering (with Specialization in Networks)

01PNE201 - INTERNET AND JAVA PROGRAMMING

(Common to Computer Science and Engineering)

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. How can you incorporate images into the web page?
2. Differentiate GET and POST methods of the FORM element.
3. Write a javascript code to get two integers typed by a user at a keyboard, find the sum and display the result.
4. What is the use of pseudo-class in CSS?
5. Illustrate the tasks of a servlet container.
6. Compare JSP and ASP objects.
7. Differentiate valid and well-formed XML documents.
8. Write the purpose of document type definition.
9. Write short notes on dynamic content in PHP.
10. Annotate the commands in server side includes.

PART - B (5 x 14 = 70 Marks)

11. (a) (i) Give an overview of world wide web. (7)  
(ii) Write the purpose of HTML forms and create an entry form for online banking. (7)

Or

- (b) (i) Write short notes on TCP/IP protocol suite. (7)  
(ii) List and explain the HTML formatting tags, tables and frames. (7)
12. (a) Illustrate the various types of cascading style sheets with examples. (14)

Or

- (b) Create a HTML form for the following user interface:

Available quantity : \_\_\_\_\_  
Rate per item : \_\_\_\_\_  
Required quantity : \_\_\_\_\_

RESET

SUBMIT

Write a javascript to clear the textboxes whenever “RESET” button is pressed. When “SUBMIT” button is pressed, check the required quantity with available quantity and if required is more than available, display a warning message. Otherwise display the amount to be paid in a message box. (14)

13. (a) List and explain JSP objects with suitable examples. (14)

Or

- (b) Write a servlet program to store information of all students from various branches. Information should be obtained from HTML pages and store them into a database. (14)

14. (a) (i) Create a XML document to store BookID, Bookname, Authername, Title and Bookprice. Create a DTD to validate the document. (8)  
(ii) Have a brief discussion on dynamic web pages. (6)

Or

- (b) Design a web page to view employee details with the help of XML DOM. (14)
15. (a) (i) Write a PERL program to keep track of the number of visitors for a particular web site. (8)
- (ii) Explain DBI in PERL to connect to a database. (6)

Or

- (b) (i) Write a Perl program to test the string “Now is the time” with the following criteria
1. Find the string ‘Now’.
  2. Check the string ‘Now’ found at the beginning
  3. Check the string ‘Now’ found at the end.
  - 4) Find the word ending with ‘ow’. (8)
- (ii) Discuss form processing in PHP with suitable example. (6)

PART - C (1 x 10 = 10 Marks)

16. (a) Design an online shopping cart application with a database (using HTML or Servlet). (10)

Or

- (b) Create an ASP program for following banking application using database connectivity. Create 5 customer details such as name, sex, age, address, a/c no. and type. Set minimum balance amount, process credit and debit operations quarterly, half-yearly and annually. Display the consolidated report of customers at the end of above durations. (10)
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