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Question Paper Code : 81333

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

Second Semester

Computer Science and Engineering

CS 9225/CS 925 — WEB TECHNOLOGY

(Common to M.E. Computer Networks, M.E. Computer Networking and Engineering and M.E. Network Engineering)

(Regulation 2009)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What are the differences between XHTML and HTML?

2.   What is the use of XHTML modularization?

3.   Name the different browser objects.

4.   What is the purpose of client side programming and how it is differ form server side programming?

5.   Write ASP code to redirect the user to different URL.

6.   What are the advantages of separating programming and presentation?

7.   Write DHTML code to display two given messages alternatively every two seconds.

8.   What is the JDBC and JDBC driver interface?

9.   Where and how data is stored in a session?

10. What are the three types of comments in PHP?

PART B — (5 × 16 = 80 marks)

11. (a) (i)   Discuss about the essential principles for good web design.   (8)

         (ii) What is a browser and what are the essential features of a browser? Explain how communication is taking between server and browser in detail.   (8)

Or

     (b) (i)   Explain how to use CSS to control the style and layout of multiple Web pages.   (8)

         (ii) Explain the XHTML document structure with suitable example. (8)

12. (a) (i)   Write java script to get a message from the user and display in browser status bar.   (6)

         (ii) Discuss about the various looping statements in java script each with example.   (10)

Or

     (b) (i)   Explain how exceptions are handled using java script.   (10)

         (ii) Explain the steps involved in fetching, removing and appending an elements in DOM tree using JavaScript.   (6)

13. (a) (i)   With sample code explain the use of JSP expressions, scriptlets, declarations and directives.   (8)

         (ii) With suitable example, explain how to retrieve and update a database from an ASP page to create dynamic data driven web sites.   (8)

Or

     (b) (i)   Write a session tracker that tracks the number of accesses and the accessed data of a particular web page.   (8)

         (ii) Name the ASP objects and summarizes the application of each object.   (8)

14. (a) (i)   Explain the JDBC architecture and the main components of JDBC in detail.   (10)

         (ii) Briefly compare SAX and DOM parser.   (6)

Or

     (b) (i)   Briefly compare DTD and XML Schema.   (6)

         (ii) Describe the structure of an XML Schema and explain how XML schemas are used to validate XML documents.   (10)

15. (a) (i) What are the different ways to include PHP in web page? Explain.
(8)

(ii) What is session in PHP and how to use session variable in PHP? Illustrate with example. (8)

Or

(b) (i) Describe the steps involved in querying MySQL database using PHP. (8)

(ii) Explain how to set, retrieve, and delete cookies using PHP with suitable example. (8)

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