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Question Paper Code : 71195

M.E. DEGREE EXAMINATION, JUNE/JULY 2013.

Second Semester

Computer Science and Engineering

CS 9225/CS 925 — WEB TECHNOLOGY

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

(Regulation 2009)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is SGML?
2. What is the need for DTD?
3. Define Client side programming.
4. Write the difference between Java script and VB Script.
5. Write the difference between CGI and Servlets.
6. Write the technical difference between ASP and JSP.
7. Write the advantages of JDBC.
8. Write the advantages of XML over database.
9. Write the difference between web 1.0 and web 2.0.
10. Write the open source features of PHP.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss about web communication in detail. (8)
(ii) Explain the XHTML tags and its features. (8)

Or

- (b) (i) Compare SGML, HTML and XML. (8)
(ii) Write the XHTML code for displaying user profile with CSS. (8)
12. (a) Write Java script code to validate the User Registration page. The input for the registration page includes username, password, Date of Birth, Address with pin code, mobile no, email id. (16)

Or

- (b) (i) Write the limitations of java script. (8)
(ii) Write java script code to get date of birth as input and compute age from that. (8)
13. (a) (i) Discuss the lifecycle of servlets in detail. (10)
(ii) Write short note on three tier architecture. (6)

Or

- (b) (i) Explain the server side objects and its features of ASP. (10)
(ii) Write short notes on JSP objects. (6)
14. (a) (i) Write the JSP code with JDBC connection for 'E-Mail user registration'. (10)
(ii) Write short notes on XML SAX Parser. (6)

Or

- (b) (i) Discuss the features of XML DOM in detail. (8)
(ii) Create XML Schema for 'BookStore' and apply Xquery to retrieve and display the book details for those price < 200\$. (8)
15. (a) Write the complete 3-tier architecture code for E-Banking to perform withdrawal, balance enquiry and fund transfer using PHP and MySQL. (16)

Or

- (b) Write the code in PHP and MySQL to illustrate the features of session and cookies in online shopping application. (16)