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Question Paper Code : Q 2840

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2009.

Seventh Semester

Computer Science and Engineering

CS 1401 — INTERNET PROGRAMMING

(Common to B.E. (Part-Time) Sixth Semester Regulation 2005)

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Distinguish between TCP and UDP Protocols.
2. Why do we call URL's as ubiquitous?
3. What is object serialization?
4. Compare Byte Streams and Character Streams.
5. Write the HTML code to create a radio button.
6. Write a Javascript to find the sum of all numbers present in an array.
7. How DHTML differs from HTML?
8. Create a simple table using DHTML.
9. Highlight the salient features of the service() method of the servlet.
10. How do JDBC drivers help in database connectivity?

PART B — (5 × 16 = 80 marks)

11. (a) (i) What is URL? What are its usual constituents? (6)
- (ii) Write a Simple java program that connects to HTTP servers to fetch (use URL and URL connection classes). (10)

Or

- (b) (i) Develop a UDP program to send an integer value to a client. (10)
- (ii) Bring out the importance of SGML (6)

12. (a) Develop an socket program to send a set of sales data (use your own sales figures) one by one to the server. Write the corresponding server side program to calculate the commission for each salesman and return the result to the client. (16)

Or

- (b) Explain the use of RMI in examination control system in which the server has all the student information and the student objects can be accessed from any client. (16)

13. (a) Develop a simple online shopping application using java script. (Assume your own data) (16)

Or

- (b) Create a simple text editor with pop up menus using HTML. (16)

14. (a) Write short notes on the following :

- (i) Cascading style sheets (8)
(ii) Active X Control. (8)

Or

- (b) How DHTML helps in handling multimedia data? Explain with an example. (16)

15. (a) Consider a hospital system. Write a Servlet program to consolidate and show the bill to be paid by the in-patients.(Assume you own data) (16)

Or

- (b) Write a JDBC program to list the contents of the table **dept** (available in Oracle RDBMS) in such a way that the names will be in alphabetical order. (16)

11. (a) (i) Discuss the advantages and disadvantages of cellular system with small cells. (6)
(ii) Explain briefly the types of spread spectrum techniques. (10)

Or

- (b) (i) Compare TDMA, FDMA and CDMA. (6)
(ii) Explain the different types of phase shift key modulators. (10)

12. (a) Describe the system architecture of a GSM. (16)

Or

- (b) (i) Write a note on LEO satellite System. (3)
(ii) Explain the transport mechanisms of DAB. (8)

13. (a) (i) Explain the basic structure of an IEEE 802.11 MAC data frame. (8)
(ii) Discuss briefly the HyperLAN2. (8)

Or

- (b) Explain about the IEEE 802.11b standard. (16)

14. (a) (i) Discuss about the IP-in-IP encapsulation. (8)
(ii) Explain the Dynamic Source Routing. (8)

Or

- (b) Explain the Dynamic Host Configuration Protocol. (16)

15. (a) (i) Explain the concept of Snooping TCP. (8)
(ii) Explain the WAE logical model. (8)

Or

- (b) Explain the architecture of WAP 2.0. (16)