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Question Paper Code : 95321

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Eighth Semester

Software Engineering

ESE 083 — WEB TECHNOLOGY

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How does the transport layer ensure that the complete message arrives at the destination, and in the proper order?
2. Why does TCP/IP became popular as compared to OSI model? Justify your answer.
3. Differentiate physical and logical address.
4. What is the purpose of the time to live field of the IP datagram header?
5. What is the drawback of IPv4?
6. Is there is any difference between gmail and yahoo in sending an attachment along with the mail?
7. Why message digest provide security for data?
8. How does SSL work?
9. What do you mean by tiny fragment attacks?
10. Using XSLT, how to process the test condition across elements in XML document?

PART B — (5 × 16 = 80 marks)

11. (a) Explain OSI model in detail.

Or

(b) Explain file transfer protocol in detail.

12. (a) Create a web page for your college which is dynamic in nature.

Or

(b) Explain MVC pattern by creating real time web sites for ICICI bank.

13. (a) Discuss in detail the working of digital signature with a real time example.

Or

(b) Explain IP Security protocol in detail.

14. (a) (i) Describe the types of directives supported in JSP page along with the attributes and syntax. Design a HTML page to enter details of a user. Develop JSP page to check for validity of user name and password and display the message “Successfully logged in” or “LOGIN mismatch Try Again” appropriately. (8)

(ii) Compare any three of the HTML server controls with ASP.Net basic web server controls with suitable program. (8)

Or

(b) Create an XML document template to describe the result of students in an examination. The description should include the student's roll no, name, marks, total and average.

15. (a) Write about the following with appropriate examples

(i) Basic Components of an XML document (8)

(ii) Wellformedness and validness of an XML document. (8)

Or

(b) Discuss in detail WAP architecture and protocol stack with appropriate diagrams.