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Question Paper Code: 12034

M.E. DEGREE EXAMINATION, DECEMBER 2013.

First Semester

Computer Science and Engineering

01PCS103 - XML AND WEB SERVICES

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. Compare and contrast XML with HTML.
2. What is XPATH?
3. What limitations of CORBA and DCOM make web services preferable?
4. List out the applications of web services.
5. What is the use of SOAP in web services?
6. What is SOAP binding?
7. Define Reification.
8. Distinguish B2C and B2B.
9. List out the main components of Rosetta Net.
10. What is the role of XML in web content management?

PART - B (5 x 14 = 70 Marks)

11. (a) Explain the process of integrating XML with the existing relational databases. (14)

Or

(b) Explain the parsing of a XML document using SAX model. Also compare and contrast SAX and DOM models. (14)

12. (a) Discuss different architectural views of web services. (14)

Or

(b) Explain the SOA architectures with a neat sketch. (14)

13. (a) Discuss the architecture of SOAP. Explain how SOAP can be used to transport the messages in web services. (14)

Or

(b) Define UDDI. Describe elaborately the elements of UDDI. (14)

14. (a) Explain XLANG and WSDL with suitable examples. (14)

Or

(b) Illustrate how RDF schema can be used to constrain, validate, document and extend RDF vocabularies. (14)

15. (a) Discuss the architecture of ebXML. (14)

Or

(b) Explain the architecture and components of XML/EDI. (14)

PART - C (1 x 10 = 10 Marks)

16. (a) Design vendor database and display the details in browser using XALT. (10)

Or

(b) What is vertical Industry? Discuss the applications of XML in Vertical Industry. (10)