

B.E. DEGREE EXAMINATIONS: NOV/DEC 2010

Seventh Semester

COMPUTER SCIENCE AND ENGINEERING

U07CSE14: XML & WEB SERVICES

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

1. SOAP is a/an _____ based protocol.
A. XML B. HTML C. HTTP D. FTP
2. SGML refers to _____
A. Standard Generalized Markup Language B. Structured Generalized Markup Language
C. Standard Global Markup Language D. Structured Global Markup Language
3. _____ defines the structure of an XML document.
A. Namespace B. DTD C. Schema D. DOM
4. _____ is used to navigate XML.
A. XPath B. XLink C. XQuery D. XSLT
5. _____ are an essential aspect of building scable web-based distributed systems.
A. SOAP Actors B. SOAP Faults C. SOAP Design Patterns D. Soap Intermediaries
6. The outermost element of a SOAP message is
A. SOAP Envelope B. SOAP Header C. SOAP Body D. SOAP Footer
7. WSDL refers to
A. Web Services Definite Language B. Web Services Document List
C. Web Services Definition Language D. Web Services Data List
8. SOAP messages on _____ bypass firewalls.
A. port 66 B. port 60 C. port 72 D. port 80
9. In public key cryptography _____ keys are used.
A. one B. two C. three D. four
10. XKMS refers to
A. XML Key Management Specification B. XML Key Management System
C. XML Key Maintenance System D. XML Knowledge Management System

PART B (10 x 2 = 20 Marks)

11. What are the advantages of XML over HTML?
12. What is the role of broker in web services?
13. Define XML Schema?
14. What is voiceXML?
15. What is the purpose of SOAP intermediaries?

16. What is the format of data exchange in SOAP?
17. How is failure of UDDI handled?
18. What are the risks in web services?
19. What is canonicalization?
20. How will you use encryption for authentication purpose?

PART C (5 x 14 = 70 Marks)

21. (a) (i) Explain briefly about the role of XML in Data Management. (7)
(ii) What is SOAP? How is it used with XML? (7)

(OR)

(b) (i) Explain briefly about Web Services. (7)
(ii) Explain about Architecture revolution and Software revolution. (7)

22. (a) (i) Explain briefly about DOM and SAX. (7)
(ii) What is CSS? Explain the uses of CSS. (7)

(OR)

(b) (i) What is XSL? Discuss in detail about XSL. (7)
(ii) Describe in detail about XSLT. Give an example. (7)

23. (a) (i) Explain briefly about HTTP protocol. (7)
(ii) What is XML-RPC? Give an example for XML RPC request and response. (7)

(OR)

(b) (i) Explain about SOAP message structure and message intermediaries. (7)
(ii) Write about SOAP with attachments. (7)

24. (a) (i) Explain briefly about WSDL with an example. (7)
(ii) Explain the role of web services in E-com applications. (7)

(OR)

(b) (i) Write notes on ebXML. (7)
(ii) Draw & Describe the architecture microsoft .NET platform. (7)

25. (a) (i) Explain in detail about XML Encryption. (7)
(ii) What is XML Digital Signature? How is it useful? (7)

(OR)

(b) (i) Write about the guidelines for signing XML documents. (7)
(ii) Explain in detail about XKMS structure. (7)
