



**B.E DEGREE EXAMINATIONS: NOV 2015**

(Regulation 2009)

Seventh Semester

**ITY116: XML AND WEB SERVICES**

(Common to CSE/IT)

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Which of the following is true of XML?
  - a) XML is a set of rules for creating tags to describe data.
  - b) XML is a set of tags designed to tell browsers how to display text and images on a Web page
  - c) XML is difficult to learn
  - d) All of the above.
2. Interoperability is the key to
  - a) Enterprise integration
  - b) Heterogeneous applications
  - c) Extensible markup language
  - d) Middleware
3. XML is called extensible because
  - a) XML describes only extended data sets
  - b) XML documents can be read by computers
  - c) XML tags can be individualized for data
  - d) XML documents can be read by people
4. In an XML, name spaces may need to be declared  
Referring to the above statement, besides the default namespace, what is the number of additional namespaces that you can use in a single document?
  - a) 1
  - b) 7
  - c) 4
  - d) Unlimited
5. SOAP is \_\_\_\_\_ to let applications exchange information over HTTP
  - a) PHP-based protocol
  - b) JAVA-based protocol
  - c) .NETbased protocol
  - d) XML-based protocol
6. SOAP is a format for sending messages and also called as
  - a) Network protocol
  - b) Communication protocol
  - c) Transport protocol
  - d) Data transfer protocol
7. \_\_\_\_\_ is a directory for storing information about the web services

- a) SOAP
  - b) HTTP
  - c) UDDI
  - d) CGI
8. Which of the following is used to convert an application into web application?
- a) Browser action
  - b) Java services
  - c) Struts services
  - d) Web services
9. Which of the following is XML security technology?
- a) XML digital signature
  - b) XML key management
  - c) XML encryption
  - d) All of the above
10. A protocol for a trust service that resolves public –key Information is \_\_\_\_\_
- a) X-KISS
  - b) X-KMS
  - c) X-KRSS
  - d) X-OFX

**PART B (10 x 2 = 20 Marks)**

11. What is Electronic Data Interchange (EDI)?
12. List three key design elements that by omission contribute XML's success?
13. What is RDF (Resource Description Framework)?
14. List any four transformation techniques.
15. What is POST command for?
16. Classify the data types does SOAP use.
17. List out the advantage of Web services technology.
18. Write short notes on ebXML.
19. Define XKMS structure.
20. Criticize single-key cryptography.

**PART C (5 x 14 = 70 Marks)**

21. a) (i) Examine the different revolutions in which XML is playing a major role. (7)
- (ii) Illustrate the advantages of xml. (7)
- (OR)**
- b) Explain VoiceXML and XPath queries.
22. a) (i) Compare the advantages of schema over DTD. (7)
- (ii) Illustrate the importance of SAX. (7)
- (OR)**
- b) Survey all presentation technologies.

23. a) Explain GET command File with illustrative examples.

**(OR)**

b) Explain XML-RPC in detail.

24. a) Discuss the Web Services architecture in detail.

**(OR)**

b) (i) Elaborate WSDL. (7)

(ii) What are the risks in Web Services? Explain. (7)

25. a) (i) Summarize the features of OASIS. (7)

(ii) Explain about canonicalization. (7)

**(OR)**

b) Discuss the steps for XML Encryption.

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