

**B.E/B.TECH DEGREE EXAMINATIONS: APRIL/MAY 2014**

(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. How can we make attributes have multiple values
  - a) `<myElement myAttribute="value1 value2"/>`
  - b) `<myElement myAttribute="value1" myAttribute="value2"/>`
  - c) `<myElement myAttribute="value1, value2"/>`
  - d) attributes cannot have multiple values
2. The syntax for writing default values for element is
  - a) `<xsd:element name="max" type="xsd:integer" value="100" />`
  - b) `<xsd:element name="max" type="xsd:integer" fixValue="100" />`
  - c) `<xsd:element name="max" type="xsd:integer" default="100" />`
  - d) `<xsd:element name="max" type="xsd:integer" defaultval="100" />`
3. A schema describes
  - (i) grammar
  - (ii) vocabulary
  - (iii) structure
  - (iv) datatype of XML document
  - a) (i) & (ii) are correct
  - b) (i),(iii) ,(iv) are correct
  - c) (i),(ii),(iv) are correct
  - d) (i),(ii),(iii),(iv) are correct
4. The attribute used to define a new namespace is
  - a) XMLNS
  - b) XmlNameSpace
  - c) Xmlns
  - d) XmlNs
5. Which of the following is not a XML presentation technology
  - a) CSS
  - b) XSLT
  - c) XSL
  - d) XForms
6. \_\_\_\_\_ chose ORPC as a protocol that could sit on top of TCP/IP and handle inter-object communication
  - a) SOAP
  - b) RMI
  - c) CORBA
  - d) DCOM

7. Which of the following is not a SOAP header attribute?
  - a) mustUnderstand
  - b) actor
  - c) client
  - d) encodingStyle
8. \_\_\_\_\_ is designed to allow access to emerging XML messaging standards such as ebXML, Transport/Packaging and Routing
  - a) JAXM
  - b) JAXR
  - c) JAXB
  - d) JAXP
9. \_\_\_\_\_ is not a element of digital signature
  - a) Digestvalue
  - b) Digestmethod
  - c) Digestkey
  - d) Reference
10. \_\_\_\_\_ defines a protocol for a trust service that resolves public-key information contained in documents that conform to the XML signature specification
  - a) X-KRSS
  - b) X-KISS
  - c) XKMS
  - d) XHTML

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

11. What are the advantages of XML?
12. What do you mean by vertical and horizontal industry applications? Give an example for each of them
13. Give an example for multiple namespaces.
14. What is DOM?
15. Describe about the two kinds of dialogs supported by VoiceXML.
16. Compare HTTP GET and POST commands.
17. What are the Pros and Cons of Web services?
18. What is JAX-RPC?
19. What are the advantages of public-key cryptography?
20. What are the advantages of SVG over GIF/JPEG?

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

21. a) Describe about the three revolutions of XML.

**(OR)**

- b) (i) Explain about Service Oriented Architecture (7)
- (ii) Write a simple XML program that gives the details of your college (7)

22. a) (i) Using suitable presentation technologies design a home page for your department symposium. (10)  
(ii) Give an example code for a DTD. (4)

**(OR)**

- b) With examples describe the various manipulation technologies.

23. a) Design an XML-RPC request for railway reservation. The request should be made for a particular train on a particular day from a source to destination. The result must be the availability of seat and there must also be a suitable XML-RPC fault message.

**(OR)**

- b) (i) Describe the SOAP message structure with an example. (10)  
(ii) Explain about SOAP with Attachments. (4)

24. a) (i) Describe the Web services architecture with the help of a block diagram. (7)  
(ii) Describe about WSDL with an example. (7)

**(OR)**

- b) Explain about .NET platform with the help of a block diagram.

25. a) Discuss about XML digital signature.

**(OR)**

- b) Describe about SVG, VoiceXML and SMIL.

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