

B.E DEGREE EXAMINATIONS: JUNE/JULY 2013

Seventh Semester

COMPUTER SCIENCE AND ENGINEERING

ITY116: XML and Web Services

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Which of the following is considered as predecessor for XML?
 - a) WML
 - b) SGML
 - c) RML
 - d) None of the above
2. Which of the following is/are advantages of SOA?
 - a) Reusability
 - b) Interoperability
 - c) Loose coupling
 - d) All the above
3. Which of the following is XML structuring technique?
 - a) DTD
 - b) SGML
 - c) RMI
 - d) Namespace
4. Which of the following is a XML parser?
 - a) XCode
 - b) Xerces
 - c) M-XML
 - d) None of the above
5. CORBA is
 - a) Complex
 - b) Platform dependent
 - c) Binary
 - d) All the above
6. Which of the following is not a component of SOAP message?
 - a) Envelope
 - b) Header
 - c) Body
 - d) None of the above
7. White pages provide
 - a) Contact information of a given business
 - b) Categories of business based on existing standards
 - c) Technical information about the web services provided by a given business
 - d) None the above
8. Web service
 - a) Is a process
 - b) Is a technology
 - c) Is a phenomenon
 - d) All of the above.

9. Converting the XML documents into a standard format is known as
- a) Parsing
 - b) Canonicalization
 - c) Normalizing
 - d) None of these
10. XML encryption supports the encryption
- a) A reference to a resource outside the document
 - b) An element and all its sub elements
 - c) The complete XML document
 - d) All of these

PART B (10 x 2 = 20 Marks)

- 11. State the advantages of XML.
- 12. State the reasons for XML's success.
- 13. Describe the role of XML namespace
- 14. Compare DTD with XML schema.
- 15. State the difference between SOAP and technologies like CORBA, RMI and DCOM.
- 16. What is the significance attachment in the soap message?
- 17. What are the .NET architecture technology components?
- 18. State and explain the two forms of UDDI registries.
- 19. Compare private key and public key cryptography.
- 20. What is the need for canonicalization?

PART C (5 x 14 = 70 Marks)

21. a) Explain in detail about the three revolutions of XML.

(OR)

- b) Write the role of .NET and J2EE in web commerce. (7)
- Discuss in detail about service oriented architecture (7)

22. a) With an example xml code explain each of the xml transformation technologies.

(OR)

- b) Explain in detail about XML presentation technologies.

23. a) With an example code explain various components of soap message in detail.

(OR)

- b) Explain the working mechanism of XML-RPC (7)
Explain in detail about SOAP intermediaries and different types of SOAP faults. (7)

24. a) With a neat sketch explain web service architecture in detail
Describe the steps in an ebXML-driven business process

(OR)

- b) Explain the structure of WSDL document
Describe the UDDI family of specification.

25. a) Discuss in detail about XML security framework and its components

(OR)

- b) Specify the guidelines for signing the XML documents.
Explain the structure of XKMS and X-KISS
