KINGS

COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

(An NBA Accredited Programme)

ACADEMIC YEAR 2012-2013 / EVEN SEMESTER

YEAR / SEM : IV / VIII BATCH: 2009-2013 (2008 Regulation)

SUB CODE / SUB NAME : IT1451 – XML AND WEB SERVICES

QUESTION BANK

UNIT – I

XML TECHNOLOGY FAMILY

PART – A (2 MARKS)

1. **What is XML?**
2. **What are the benefits of XML?**
3. **What are the advantages of XML?**
4. **What is Electronic Data Interchange (EDI)?**
5. **What are the advantages of XML over HTML?**
6. **What is W3c (World Wide Web) Consortium?**
7. **What are the advantages of XML over Data base?**
8. **What is the role of XML?**
9. **What are the drawbacks to XML?**
10. **Define XML document structure.**
11. **List the rules for XML structure**
12. **What is DTD?**
13. **Define XML schema.**
14. **What are the advantages of schema over DTD?**
15. **What are the datatypes in an XML schema?**
16. **Define XML processing.**
17. **What is DOM? What are the different levels of DOM?**
18. **What is mean by SAX?**
19. **List out the import ants of SAX?**
20. **What are the presentation technologies?**
21. **Write any two differences between XSLT and CSS?**

22. What are the different XSLT elements?
23. What is XQuery?
24. What is XForm?
25. What is XPath?
26. What is XSLT?

PART – B (16 Marks)

1. **Explain about XML Namespaces.**
2. **Explain about Document Type Definition in detail.**
3. **How to create an XML Schema and Explain.**
4. **Explain about XML Presentation Technologies.**
5. **Explain briefly about XML Transformation Technologies.**
6. **Explain about XML processing in detail.**

UNIT – II

ARCHITECTING WEB SERVICES

1. **What are web services?**
2. **What are the limitations of CORBA and DCOM?**
3. **What is an XML-RPC?**
4. **Draw the block diagram for web services roles and relationship.**
5. **List out the advantages of Web services technology.**
6. **What are the things available in Web Services?**
7. **What are the major aspects of Web service technologies?**
8. **Define SOA.**
9. **List the hierarchy integration options of SOA.**
10. **List the key functional components of SOA.**
11. **List out the four methods for building Web Services.**
12. **What are the two steps to invoking a Web Service?**
13. **List out the four web Services security layer basic requirements.**
14. **List out the three access control models those Web Service registries.**
15. **Define Quality of Service and Reliable Messaging in SOA.**
16. **Define Composition of Web Services and its categories.**
17. **Draw the block diagram of web services technology stack**
18. **List out the different elements in a complex workflow of web services**
19. **Define the Deployment (or Physical) architectural View.**

PART – B (16 Marks)

1. **What is mean by B2B &B2C and explain the business and technical motivations for web services with detail.**
2. **Explain and detail about the service-oriented architecture (SOA) with block diagram.**

3. **Explain the implementation architectural view of web services technology stack with block diagram.**
4. **Explain the logical architectural view of web services composition with flow diagram.**
5. **Explain the deployment architectural view from application servers to peer-to-peer.**
6. **Explain the process architectural view of life in the runtime.**

UNIT –III

WEB SERVICES BUILDING BLOCKS

1. **Define SOAP Message.**
2. **List the elements of WDSL documents.**
3. **Draw the block diagram of WDSL document structure.**
4. **List the WDSL extensibility elements documents.**
5. **What are the futures of UDDI?**
6. **Draw the block diagram of UDDI structure.**
7. **List out the key technologies**
8. **What are Web Services Registry Directories?**
9. **What are the risks in Web Services?**
10. **What is SOAP?**
11. **Define HTTP and its use?**
12. **Define GET command File.**
13. **What is POST command?**
14. **What is the goal of XML Protocol Working Group?**
15. **What is meant by SOAP with attachments?**
16. **What are message paths in SOAP?**
17. **What are the parts in the SOAP message?**
18. **What are all the environments that supporting SOAP?**
19. **Define SMIL?**
20. **List out the advantages of SMIL.**
21. **Define SMIL modularization.**

PART – B (16 Marks)

1. **Explain the Simple Object Access Protocol (SOAP) in detail.**
2. **Explain the Universal Description, Discovery and Integration (UDDI) in detail.**
3. **Explain the Web Services Description Language (WDSL) in detail.**
4. **Explain the Web Services Security in detail.**
5. **Explain the Web Services Inspection Language (WSIL) in detail.**

UNIT-IV

IMPLEMENTING XML IN E-BUSINESS

1. **What is the Supply Chain?**
2. **Where the supply chain itself applies to two different ways of conducting business?**
3. **What are the efficiencies of supply chain?**
4. **Define Electronic Data Interchange (EDI).**
5. **What are the stated goals of EDI?**
6. **What are the two primary syntaxes for EDI?**
7. **Define e-Business.**
8. **List out the three major components of e-Business.**
9. **What is mean by e-commerce?**
10. **Define E-Procurement.**
11. **What is mean by E-Collaboration?**
12. **List the important roles to identify the parties play in B2B e-commerce.**
13. **What are two primary categories of supplier channel?**
14. **List out the components of E-Business XML Systems.**
15. **Define Enterprise Integration.**
16. **What are all the fundamentals for e-business exchange?**
17. **List the different security levels of fundamental transport protocols.**
18. **Define Data Dictionaries.**
19. **What is ebXML?**
20. **What are all major components of XML/EDI?**
21. **List the ebXML infrastructure components.**
22. **Define core components.**
23. **Define Rosetta Net.**
24. **What is mean by Partner Interface Processes (PIP)?**
25. **Define VoiceXML.**
26. **What are the advantages of Web phone access to wireless services?**
27. **List the limitation of WML.**

PART –B (16 MARKS)

1. **Explain the Business to Customer (B2C) and Business to Business (B2B).**
2. **Explain Electronic Data Interchange (EDI) in detail.**
3. **Explain E-Business and the Internet- Enabled Supply Chain.**
4. **Explain the different types of Business to Business (B2B) interaction.**
5. **Describe the Components of E-Business XML Systems in detail.**
6. **Explain e-business XML (ebXML) in detail.**
7. **Draw the block diagram of Rosetta Net and explain in detail.**
8. **Explain the web services on mobile devices in detail.**

UNIT-V

XML CONTENT MANAGEMENT AND SECURITY

1. **What is mean by RDF?**
2. **Define the RDF Graph.**
3. **Define Just Enough Graph Theory.**
4. **Draw the diagram for basic parts of a graph.**
5. **What is meant by the RDF statement?**
6. **List two formal characteristics of the RDF graph.**
7. **List the Issues in RDF Syntax.**
8. **How to define RDF vocabulary?**
9. **Give the Example of RDF type concept.**
10. **List the six categories RDF schema resources.**
11. **Define Non-Model Validation.**
12. **Define Ontology.**
13. **Define DDC.**
14. **What is the XML security framework?**
15. **Define web content management.**
16. **What is XLANG?**
17. **What is WSFL?**
18. **What is WSCL?**

PART –B (16 MARKS)

1. **Explain the resource description framework in detail.**
2. **Describe RDF schema with suitable syntax and block diagram.**
3. **With the block diagram, explain the architecture of semantic web in detail.**
4. **Explain in detail about the content management workflow.**
5. **Explain in detail about XLANG.**
6. **Describe in detail about WSFL.**

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