



**MCA DEGREE EXAMINATIONS: APRIL 2015**

(Regulation 2009)

Fifth Semester

**MASTER OF COMPUTER APPLICATIONS**

MCA518: XML And Web Services

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

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

1. What are the advantages of schema over DTD?
2. State the three revolutions of XML.
3. Which data types do SOAP use?
4. What is the purpose of Resource Description Framework?
5. Give the difference between DTP files and web files.
6. What is the use of Web Services Registry Directories?
7. List out the two parts of XKMS.
8. What are digital signatures?
9. List out the risks in Web Services.
10. Define UDDI

**PART B (5 x 16 = 80 Marks)**

11. a) i) What are the advantages and disadvantages of XML? (8)  
ii) Explain the role of XML in an enterprise. (8)

**(OR)**

- b) Discuss how to specify an XML with DTD and XML schema. Illustrate with examples.

12. a) Discuss about SOAP message, design patterns, faults, and SOAP with attachments.

**(OR)**

- b) i) What is XML-RPC? Explain in detail. (8)  
ii) Explain about HTTP GET and POST commands. (8)

13. a) Describe the XML Content Management System.

**(OR)**

b) Discuss in detail about the storage and retrieval process of XML document

14. a) Discuss in detail about the building blocks of XML security framework.

**(OR)**

b) i) Write the steps in XML encryption. (8)

ii) Explain about XML Canonicalization. (8)

15. a) Explain about ebXML with neat diagram

**(OR)**

b) i) Explain the structure of WSDL document with an example. (8)

ii) Discuss about the web service with architecture and its key technologies. (8)

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