



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2015

CA 4806 - XML & WEB SERVICES

Date : 15/04/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL the questions.

10 x 2=20

- 1) Write the syntax of the element that links an XML document to its corresponding DTD.
- 2) When is an element said to be of type Complex in XSD?
- 3) Write a note on DOM.
- 4) What is web content management?
- 5) Define web service.
- 6) Expand the following acronyms: (i) CORBA (ii) WSDL (iii) SOA (iv) OASIS
- 7) What are the rules a SOAP server must follow while receiving a SOAP message?
- 8) List the data types of UDDI.
- 9) Mention the XML security technologies.
- 10) What is XKRSSS?

PART-B

Answer ALL the questions.

5 x 8=40

- 11) a) Describe the document structure of an XML document.
(or)
b) Explain XQuery functions with examples.
- 12) a) Write a program to demonstrate the interfaces of Document Object Model.
(or)
b) Define and explain RDF.
- 13) a) Explain messaging and services layer of XML standards stack.
(or)
b) Explain the implementation and logical view of software architecture in the context of web services.
- 14) a) Give a brief description on WSDL.
(or)
b) Describe the UDDI.
- 15) a) Explain XML digital signature elements.
(or)
b) Describe XML Key Management Services.

PART-C

Answer any TWO questions.

2 x 20=40

- 16) a) Give a detailed description on XSLT elements with examples. (10)
b) Describe XPATH. (10)
- 17) a) Elucidate the functional Components of SOA. (10)
b) Give a brief description on SOAP faults and attachments. (10)
- 18) Explain the following:
a) Canonicalization. (10)
b) REST. (10)
