



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – NOVEMBER 2016

CA 4806 - XML & WEB SERVICES

Date: 15-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL the questions.

10 x 2=20

- 1) Write the components of an XML document
- 2) List the advantages of XSD over DTD.
- 3) Write a note on SAX.
- 4) List the tools currently available for web content management.
- 5) Bring out the differences between IOP and SOAP.
- 6) Draw the hierarchy of web service integration options provided by SOA.
- 7) Write a note on the attributes of the header element in a SOAP message.
- 8) What is WSDL?
- 9) Mention the pillars of secure e-commerce.
- 10) How is the integrity of data maintained? Give example.

PART-B

Answer ALL the questions.

5 x 8=40

- 11) a) Write notes on the types of DTD.
(or)
b) Explain XPATH.
- 12) a) Explain the role of metadata in web content management.
(or)
b) Elucidate the transport and aspect layers of XML standards stack.
- 13) a) Explain web service technology stack.
(or)
b) Give an explanation on service implementation and publication components of SOA.
- 14) a) Explain the organization of SOAP messages.
(or)
b) Explain the process of ebXML with a diagram.
- 15) a) Give explanation on canonicalization.
(or)
b) Describe REST.

PART-C

Answer any TWO questions.

2 x 20 =40

- 16) a) Give an explanation on elements that facilitate grouping in XSD with examples (10)
b) Describe SAX. (10)
- 17) a) Explain 4+1 view model of software architecture in the context of web services. (15)
b) Describe the organization of UDDI. (5)
- 18) Elucidate XML security technologies. (20)
