



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

**FOURTH SEMESTER – APRIL 2018**

**CA 4806- XML & WEB SERVICES**

Date: 27-04-2018  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**PART-A**

**Answer ALL the questions**

**10\*2=20**

- 1) Write the syntax for declaring an element in a DTD.
- 2) Name the XSD elements that facilitates grouping.
- 3) What is DOM?
- 4) What is web content management?
- 5) Define Web Service.
- 6) Name the web service building blocks.
- 7) Mention the advantages of SOAP over CORBA, RMI and DCOM.
- 8) What are the properties of SOAP transactions?
- 9) How is confidentiality maintained?
- 10) What is REST?

**PART-B**

**Answer ALL the questions**

**5\*8=40**

- 11) a) Give an explanation on external DTD.  
(or)  
b) Write an XSD document to demonstrate user defined data type.
- 12) a) Explain the DOM interfaces.  
(or)  
b) Elucidate XML standards stack.
- 13) a) Explain SOA.  
(or)  
b) Describe the web service technology stack.
- 14) a) Elucidate SOAP message structure.  
(or)  
b) Describe ebXML process with a neat diagram.
- 15) a) Give an explanation on digital signature elements.  
(or)  
b) Give explanation on XKMS

**PART-C**

**Answer any TWO questions**

**2\*20=40**

- 16) a) Explain the components of an XML document.(10)  
b) Give explanation on XSLT. (10)
- 17) a) Describe components of content management workflow. (10)  
b) Describe logical architectural view of a web service.(10)
- 18) a) Explain UDDI.(10)  
b) Elucidate the steps in creating a canonical form. (10)

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