LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2017

CA 4806- XML & WEB SERVICES

Date: 18-04-2017   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART-A

Answer ALL the questions   **10*2=20**

1) List the features of XML.
2) Mention the types of namespace declaration in XSD with an example.
3) Name XML standards organizations.
4) Draw XML standards stack.
5) Define web service.
6) Draw the integration hierarchy provided by SOA.
7) Write the building blocks of web service.
8) What is SOAP fault?
9) How is integrity of data assured?
10) Write about the alternative technology to web service.

PART-B

Answer ALL the questions   **5*8=40**

11) a) Give explanation on user define data type in XSD.
        (or)
    b) Illustrate reusing components of an XSD into another with same namespace.
12) a) Explain the difference between SAX and DOM.
        (or)
    b) Elucidate the role of metadata in web content management.
13) a) Describe key functional components of SOA.
        (or)
    b) Draw the web service technology stack.

14) a) Elucidate relationship between WSDL and UDDI with a diagram.
        (or)
    b) Describe the infrastructure components of ebXML.
15) Explain any two scenarios of encrypting an XML document.
        (or)
    b) Give an explanation on XKMS.

PART-C

Answer any TWO questions   **2*20=40**

16) a) Explain XPATH.(10)
    b) Give explanation on entities. (10)
17) a) Write a program to create, modify and delete XML components using DOM interfaces
    b) Describe 4+1 view model of web service architecture. (10)
18) a) Explain the ebXML process with a diagram.(10)
    b) Elucidate canonicalization. (10)

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