



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2022

18PCA4MC01 – XML AND WEB SERVICES

Date: 17-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

Q. No Answer ALL Questions

(10 x 2 = 20 Marks)

- 1 List out the advantages of XML over HTML.
- 2 State the term XPointer.
- 3 What is DOM?
- 4 List out the four basic concepts of RDF.
- 5 State the term B2B.
- 6 What is Deployment Architectural View?
- 7 State the term protocol.
- 8 What is UDDI?
- 9 State the term Canonicalization.
- 10 What is XML Encryption?

PART – B

Answer ALL Questions

(5 x 8 = 40 Marks)

- 11 (a) Explain the various application areas of XML in detail.
or
(b) Describe the concept of XML Path Language (XPath) in detail.
- 12 (a) Explain the components of Content Management Workflow with neat illustration.
or
(b) Describe the concept of Standard Organizations in detail.
- 13 (a) Explain the perception on Business motivations for web services in detail.
or
(b) Describe the idea on composition of web services in detail.
- 14 (a) Explain the concept of messaging with web services in detail.
or
(b) Describe the perception on Anatomy of a UDDI Registry in detail.
- 15 (a) Explain the Concept of XML Digital Signature in detail.
or
(b) Describe the concept of XKMS Structure in detail.

PART – C

Answer any TWO Questions

(2 x 20 = 40 Marks)

- 16 (a) Describe the fundamentals of Extensible Markup Language (XML) in detail.
- (b) Explain the concept of validating XML with the Document Type Definition (DTD).
- 17 (a) Describe in detail about the role of XML in Web Content Management.
- (b) Explain the concept of Service-Oriented Architecture (SOA) in detail.
- 18 (a) Explain the perception on Simple Object Access Protocol (SOAP) protocol in detail.
- (b) Describe the guidelines for signing XML documents in detail.

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