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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**

(For Candidates admitted from 2020-2021 onwards)

PG DEGREE EXAMINATIONS APRIL - 2021

M.Sc., - COMPUTER SCIENCE

XML AND WEB SERVICES



Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. XML is _____ language.
 - a) Procedural
 - b) Meta
 - c) Enterprise
 - d) Object
2. Which one of the following provides an interface for software that can carry out a specified set of tasks?
 - a) Web services
 - b) Service provider
 - c) Service requester
 - d) None of the above
3. Schema is used to define the _____.
 - a) Structure of the database
 - b) form of data
 - c) views
 - d) XML structure
4. DTD stands for
 - a) Document Type Definitions
 - b) Delivery Tag Document
 - c) Document Schema Definitions
 - d) Data Type Definitions
5. _____ is an XML-based protocol for exchanging information in a decentralized, distributed environment.
 - a) HTTP
 - b) FTP
 - c) SOAP
 - d) TELNET
6. Which of the following pattern is available in architectural SOAP design?
 - a) Layers
 - b) Pipe
 - c) Filter
 - d) All of the these
7. Which one of the following manages and publishes the service in web service architecture?
 - a) Service provider
 - b) Service requester
 - c) Repository (or) Broker
 - d) None of the above
8. ACID properties of transactions are
 - a) Atomicity
 - b) Consistency
 - c) Durability
 - d) All of the above
9. _____ form of an XML document to ensure security.
 - a) Canonical
 - b) Processing
 - c) Namespaces
 - d) None of the above
10. XKMS specifies protocols for distributing and _____ public keys.
 - a) Registering
 - b) Information Service
 - c) Trust Service
 - d) All of the above

PART- B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) Describe the role of XML.

(OR)

b) Write short note on Web services.

12. a) Explain how XForms are widely used in all aspects of e-commerce.

(OR)

b) Describe how XML documents to be manipulated and modified using XQuery technology with suitable example.

13. a) Illustrate the structure of an HTTP request along with their GET and POST method.

(OR)

b) Sketch a neat diagram explains the architectural patterns in SOAP protocol.

14. a) Explain about Web services architecture.

(OR)

b) Brief a note on J2EE platform specification.

15. a) Write down the security issues in XML document and SOAP.

(OR)

b) Describe different ways of Encrypting XML data.

PART-C

ANSWER ANY THREE QUESTIONS

(3X10=30)

16. Describe in detail about three Revolutions of XML with neat diagram.

17. Illustrate the XML Namespaces with suitable example.

18. Briefly explain about SOAP message structure.

19. Discuss in detail about SOAP, Web services and in E-COMMERCE transactions.

20. Explain in detail about how to secure e-commerce transactions using different Cryptography methods.