

C.U.SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Service Oriented Computing

Subject Code : 4TE07SOC1

Branch: B.Tech (CE, IT)

Semester : 7

Date : 13/11/2019

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions. (14)

- a. UML stands for
A) Unified Modeling Language B) Universal Modeling Language
C) Universal Management Language D) None of these
- b. W3C stands for
A) World Web Council B) World-Wide Web Consortium
C) Web World Consortium D) None of these
- c. WS-I stands for
A) Web Service Interoperability B) Web Service Interface
C) Web Service Isolation D) None of these
- d. Well formed XML document means
A) it contains a root element B) it contain an element C) it contains one or more elements
D) must contain one or more elements and root element must contain all other elements
- e. To match the root node in XSLT transform the syntax will be
A) <xsl:template match="Document">
B) <xsl:template match="Root">
C) <xsl:template match="RootNode">
D) <xsl:template match="/">
- f. Which statement is true?
A) All the statements are true B) All XML elements must have a closing tag
C) All XML elements must be lower case D) All XML documents must have a DTD
- g. DOM stands for
A) Document Object Method B) Document Object Model
C) Discrete Object Model D) Discrete Object Method



- h. Message in SOAP is passed as part of
A) Header B) Body C) URL D) None
- i. XSLT processors accept as input:
A. an XML conforming document file and an XSLT specification file
B. only an XML document
C. only an XSLT specification
D. either an XML document or an XSLT specification
- j. SIP stands for
A) Simple Interface Protocol B) Session Initiation Protocol
C) Session interface protocol D) Simple Initiation Protocol
- k. SOA stands for
A) Simple Object Accessor B) Service Oriented Architecture C) Simple Object Adaptation D) Service Oriented Augmentation
- l. Open Environment requires
A) Autonomy only B) Heterogeneity only
C) Dynamism only D) All mentioned in a,b,c
- m. WSCI stands for
A) Web Service Choreography Interface B) Web Standard Choreography Interface
C) Web Service Common Interface D) Web Service Choreography Integration
- n. CORBA stands for
A) Common Object Request Broker Architecture B) Common Object Request Broker Association
C) Common Object Resource Broker Architecture D) Common Object Request Broker Association

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all the questions. (14)

- a) Define Web Service. Explain general architecture for Web-Service.
- b) Compare .Net & J2EE architecture.

Q-3 Attempt all the questions. (14)

- a) What are RESTful services? Compare SOAP based Vs. RESTful Web Service.
- b) What is semantic web? Explain in detail. Explain Elements (Characteristic)(Key Concept) of Service-Oriented Architectures

Q-4 Attempt all the questions. (14)

- a) Develop XML document representing Order Processing System and validate through XML Schema.
- b) What is Model Driven Architecture? Explain in detail Integration Vs Interoperation.

Q-5 Attempt all the questions. (14)



