

DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE, PERAMBALUR – 621 212
(AUTONOMOUS)
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
U20AI843 / SERVICE ORIENTED ARCHITECTURE

Year & Semester: IV&VIII

PART-B(IMPORTANT QUESTION)

UNIT-1(FUNDAMENTALS OF SOA)

- 1.Explain in detail about SOA
- 2.compare client server and internet architecture in detail
3. Explain in detail about SOA architecture & Key characteristics
- 4.Compare Technical & business benefits in SOA
5. Explain in detail about SOE

UNIT-2(COMBINING SOA & WEB SERVICES)

- 1.Explain in detail about webservice Platform description & message exchange patterns
- 2.Explain in detail about service & contract level datamodel
- 3.Discuss about Atomic & composite services
- 4.Briefly discuss about SOAP
- 5.Explain in detail about Enterprise service bus pattern

UNIT-3(MULTI CHANNEL ACCESS & WEB SERVICE COMPOSITION)

- 1.Explain in detail about BPEL
- 2.briefly explain SOA for Multichannel access
- 3.Explain in detail about RESTFUL services
- 4.discuss web service composition
- 5.explain business benefits tiers in BPM

UNIT-4(JAVA WEB SERVICES)

- 1.Explain in detail about J2EE
- 2.briefly explain JAX-WS
- 3.Explain in detail about JAXB & JAXR
- 4.discuss web JAX-RPC,webservice interoperability
- 5.explain ASP.NET web services

UNIT-5(WEB SERVICES & TRANSACTION)

- 1.Explain in detail about Meta data management & advanced messaging
- 2.briefly explain Addressing & reliable messaging
- 3.Explain in detail about WS-security& WS-Policy security
- 4.discuss web Notification & Eventing
- 5.explain Transaction management

SUBJECT INCHARGE

HOD

Register Number: _____

DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE, PERAMBALUR – 621 212
(AUTONOMOUS)
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
ASSESSMENT TEST I(SET-2)
U20AI843 / SERVICE ORIENTED ARCHITECTURE

Year & Semester: IV&VIII

Duration: 3 00 Hours

Date:

Total Marks: 100

Answer all Questions

Part- A

10*2=20 Marks

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|-----|--|-----|----|
| 1. | Define WS-CDL. | CO1 | K1 |
| 2. | Show the structure of common WS-BPEL process definition. | CO1 | K1 |
| 3. | Demonstrate the set of basic tasks for creating web service composition. | CO1 | K1 |
| 4. | List the business benefits of SOA and Multi-Channel Access | CO2 | K1 |
| 5. | What are the main architectural challenges of multi-channel access? | CO2 | K1 |
| 6. | Define JAX-WS,JAXR | CO2 | K1 |
| 7. | Define Schema-to-Java | CO3 | K1 |
| 8. | Define Scope, Inheritance, and Precedence | CO3 | K1 |
| 9. | Define CLR &WSE. | CO3 | K1 |
| 10. | Define ASP.NET Web Forms | CO3 | K1 |

Part- B

5*16=80Marks

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|-----------|---|--|----|-----|------|
| 11 | a | Explain in detail about SOA components and how are they interrelated. | 16 | CO1 | BTL2 |
| Or | | | | | |
| | b | Describe how SOA can be compared to distributed internet architecture. | 16 | CO1 | BTL2 |
| 12 | a | Explain detail about Service Description using WSDL with neat sketch. | 16 | CO2 | BTL2 |
| Or | | | | | |
| | b | Explain in detail about Message Exchange Pattern. | 16 | CO2 | BTL2 |
| 13 | a | Explain in detail about SOA for Developing Composite Applications with example. | 16 | CO3 | BTL2 |
| Or | | | | | |
| | b | Explain in detail about Layered architecture for providing multi-channel access. | 16 | CO3 | BTL2 |
| 14 | a | Discuss on how SOA is related to the layers of the J2EE platform. | 16 | CO2 | BTL2 |
| Or | | | | | |
| | b | Explain about Web Services Interoperability technologies in detail. | 16 | CO2 | BTL2 |
| 15 | a | Describe the BPEL, SOA, and Web Services,ASP.NET | 16 | CO3 | BTL2 |
| Or | | | | | |
| | b | Discuss on how Multi-Channel Access Architecture designed for SOA with example | 16 | CO2 | BTL2 |

Prepared By

Approved By

