

# KADI SARVA VISHWAVIDHYALAYA

B.E. Semester – VI EXAMINATION (APRIL-MAY - 2015)

Subject Code: - IT - 603

Subject Name: - Service Oriented Architecture

Date:

Max.Marks:70

Time: 3 Hrs

- Instructions: (1) Answer each section in separate Answer sheet.  
(2) Use of Scientific calculator is permitted.  
(3) All questions are Compulsory.  
(4) Figure to the right indicates full marks.

## Section – I

Q.1 Each carries equal marks

- [A] Give importance of WSDL? Also discuss the various element of WSDL document. [5]  
[B] What is service? Explain fundamentals of SOA in detail. [5]  
[C] Explain elements of SOA. Explain benefits of SOA. [5]

OR

- [C] Explain evolution of SOA. [5]

- Q.2 [A] Explain UDDI API for registry access. [5]  
[B] Explain Web service architecture in detail. [5]

OR

- Q.2 [A] What is Architecture? Briefly explain various architecture. [5]  
[B] Draw and Explain Coordinator Service Composition. [5]

- Q.3 [A] Explain difference between Service-orientation and Object-orientation. [5]  
[B] What is XML? How XML is related with web service? [5]

OR

- Q.3 [A] Explain ACID transactions. [5]  
[B] Explain SOAP protocol stack. [5]

## Section – II

**Q.4** Each carries equal marks

- |            |   |            |
|------------|---|------------|
| <b>[A]</b> | Explain WS-Coordination Registration Process          | <b>[5]</b> |
| <b>[B]</b> | Explain Request Response Primitive MEPs with example. | <b>[5]</b> |
| <b>[C]</b> | Compare J2EE architecture and .NET architecture.      | <b>[5]</b> |

OR

- [C]** Briefly explain SOAP, WSDL and UDDI. **[5]**

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|-----|-----|---|-----|
| Q.5 | [A] | Draw and Explain MEPs and WSDL with detailed diagram                          | [5] |
|     | [B] | Define Composing Service and also discuss challenges for Service Composition. | [5] |

OR

- Q.5 [A] Explain historical view of services over the Web. [5]
- [B]. Explain SOA vs. Client-Server architecture. [5]

- Q.6 [A]** Explain SOAP request and SOAP response with sample example code. [5]
- [B].** Explain Atomic transaction protocol. [5]

OR

- Q.6 [A]** Discuss SOA vs. distributed internet architecture. [5]
- [B]** Explain Complex MEPs. [5]