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**Reg. No. :**

**Question Paper Code: 46081**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Sixth Semester

Information Technology

14UIT601 - SERVICE ORIENTED ARCHITECTURE

 (Regulation 2014)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Which of the following is used to define the service component that performs the service?

(a) WSDL (b) SCDL (c) XML (d) None of these

2. Which of the following is part of abstract description

 (a)Port Type (b)Binding (c)Service (d)all the above

3. Which of the following is a repeatable task within a business process.

 (a) service (b) bus (c) methods (d) All the above

4. Which of the following describes a message-passing taxonomy for a component- based

 architecture that provides services to clients upon demand?

 (a) SOA (b) EBS (c) GEC (d) All the above

5. Which of the following is commonly used to describe the service interface, how to bind information, and the nature of the component’s service or endpoint

 (a) WSDL (b) SCDL (c) XML (d) None of these

6. Identify the correct WS-Security Specification

 (a) XML-Signature (b) WS-Policy Assertions (c) Fault Handlers (d) Registration Service

7. A part of a service contract that is commonly standardized is the \_\_\_\_\_\_\_\_\_

 (a)Data model (b)Service agent (c)Service registry (d)Data agent

 8. Service Oriented Architecture (SOA) is

 (a) Strongly Coupled (b) Loosely Coupled (c) Strongly Cohesive (d) Loosely Cohesive

9. Which architecture will be built on top of a SOA?

 (a) The Application Architecture (b) The Service Architecture

 (c) The Component Architecture (d) None of these

10. The ability of one service to \_\_\_\_\_\_\_\_\_\_ another service forms the basis of

 \_\_\_\_\_\_\_\_\_\_.

 (a)divert, diversification (b)register, registries

 (c)consume, composition (d)integrate, integration

 PART - B (5 x 2 = 10 Marks)

11. Define Distributed Internet architecture.

12. Define MEP and give its types.

13. Define task service.

14. Write the Basic Platform Blocks.

15. Give short note on WS-Policy framework.

PART - C (5 x 16 = 80 Marks)

16.(a) Explain the common principles of Service Orientation in detail. (16)

 Or

 (b) Compare SOA to Client-Server & Distributed architecture. (16) .

17. (a) Explain briefly about processing of SOAP messages. (16)

Or

 (b) Explain about Service Layer Abstraction in detail. (16)

18. (a) Discuss the step by step process of Service Modeling in detail. (16)

 Or

(b) Explain in detail about WSDL Basics. . (16)

19. (a) Explain SOA platform and describe the APIs in J2EE which is used to build

 SOA. (16)

 .

Or

 (b) Explain in detail about the basic of SOA platform.How does it support in J2EE. (16)

20. (a) Discuss WS-Coordination overview. (16) Or

 (b) Discuss on WS-Coordination in detail. . (16)