

8/7/16 AN

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Question Paper Code : 51766

B.E./ B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

Seventh Semester

Information Technology

IT 2401/IT 71/10144 IT 701- SERVICE ORIENTED ARCHITECTURE

(Common to computer Science and Engineering)

(Regulations 2008/2010)

(Common to PTIT 2401 – Service Oriented Architecture for B.E. (Part-Time)

Sixth Semester – Computer Science and Engineering – Regulations 2009)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. Define SOA.
2. What are coarse grained services ?
3. What are Web Service Platform elements ?
4. Define Service layers
5. Write the business centric applications of SOA .
6. List out the component specification in Service Modelling.
7. List out the common layers required by a development and runtime platform for building SOA .
8. Define Service agent.
9. What is WSDL ?
10. What are the functions of UDDI ?

PART – B (5 × 16 = 80 Marks)

11. (a) Explain in detail about common principles of Service Orientation. (16)
OR
(b) Explain in detail about web services as components wrappers (16)
12. (a) Describe in detail about Messaging with SOAP.
OR
(b) (i) Write short notes on Orchestration and Choreography. (10)
(ii) Briefly discuss on Application Service Layer. (6)
13. (a) Briefly explain about WSDL & SOAP basics in service oriented design. (16)
OR
(b) Describe in detail about entity-centric business service design in a step by step process. (16)
14. (a) Discuss about typical J2EE Service provider. (16)
OR
(b) Explain briefly about JAXB Architecture. (16)
15. (a) Discuss in detail about WS- Policy. (16)
OR
(b) Explain about WS-Security. (16)