Reg. No.:
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## Question Paper Code: 72060

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Seventh/Eighth Semester

Information Technology

## IT 6801 — SERVICE ORIENTED ARCHITECTURE

(Common to Computer Science and Engineering)

(Regulations 2013)

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

PART A —  $(10 \times 2 = 20 \text{ marks})$ 

- 1. What is XML?
- 2. What are two types of WSDL elements?
- 3. What is meant by XSL formatting?
- 4. List out the Characteristics of SOA.
- 5. What are the benefits of SOA?
- 6. What do you mean by UDDI?
- 7. Write about JAX-WS.
- 8. What is J2EE?
- 9. What are the Standards that Web service depends on?
- 10. What do you mean by WS-Security?

PART B —  $(5 \times 16 = 80 \text{ marks})$ 

11. (a) Briefly explain the characteristics of Web service framework and web service roles.

Or

(b) Explain the XML document Structure.

12. (a) Describe in detail about how to create well-formed XML and XSL Transformations.

Or

- (b) Describe in detail about the modeling databases in XML.
- 13. (a) Give an overview of SOA and explain the Characteristics of SOA.

Or

- (b) Compare SOA to Client-server and Distributed internet architecture. (16)
- 14. (a) Briefly explain Messaging with SOAP and service discovery.

Or

- (b) Briefly Explain different types of security attacks and Threats and also give the web service security road map.
- 15. (a) Explain the overview of SOA and the role of web services with .NET and J2EE Interoperability?

Or

(b) Explain the various standards in the development of web services.