

R09**Code: 9A05802**

B.Tech IV Year II Semester (R09) Advanced Supplementary Examinations June/July 2016

SERVICE ORIENTED ARCHITECTURE

(Common to CSE & CSSE)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

- 1 Describe in detail all the primary characteristics of contemporary SOA.
- 2 (a) Explain how service interface layers promote application and business logic.
(b) Discuss the comparison between service orientation and object orientation.
- 3 (a) What do you understand by Service? Classify and describe services based on the nature of the application logic.
(b) Explain the service descriptions with WSDL in detail.
- 4 (a) Explain reliable messaging. Describe with neat diagram the structure of a soap message.
(b) Comment on semantic web services.
- 5 (a) Describe all the principles that are provided by service orientation.
(b) Explain invoke and receive elements along with their attributes.
- 6 (a) Comment on service component architecture.
(b) Explain the key elements of WS-reliable messaging language.
- 7 (a) How technology and SOA are related? Explain with a diagram.
(b) Describe about basic building blocks of the platform with an appropriate diagram.
- 8 (a) Discuss the .NET support for both primitive SOA & contemporary SOA.
(b) How does J2EE support for service orientation principle?
