

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2011.

IT 2401 SERVICE ORIENTED ARCHITECTURE

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define SOA
2. How do components in the SOA inter-relate
3. What are wrapper services?
4. List the goals of service oriented analysis.
5. What is the use of envelope element in SOAP message structures?
6. Compare abstract and concrete description.
7. What is message processing logic
8. How are switch, case and otherwise elements used in BPEL?
9. What are policy element and common policy assertions?
10. What are dynamic proxy and dynamic invocation interface?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the common principles of service orientation in detail.
(Or)
(b) Compare SOA to client server and distributed architecture.
12. (a) Discuss about three service layers in detail.
(Or)
(b) (i) Explain the importance of messaging with SOAP and message exchange patterns in web services. (10)
(ii) Write an note on atomic transactions (6)
13. (a) Discuss the step by step process of service modelling in detail

(Or)

(b) Explain entity centric and Task centric business service design in detail.

14. (a) Explain SOA platform and describe the API's in J2EE which is used to build SOA?

(Or)

(b) How service oriented architecture achieved in .NET platform? Discuss

15. (a) Describe root element and series of common child element of BPEL process definition.

(Or)

(b) Discuss WS-Security Language in detail.