

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(IT)(2015 & Onwards)/(CSE Engg. EI-II) (2015 to 2017) (Sem.-2)

SERVICE ORIENTED ARCHITECTURE

Subject Code : MTCS-208

Paper ID : [72892]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

- Q1 a) How is SOA different from distributed internet architecture? Explain inter relation among the components in an SOA. Represent them diagrammatically (14)
b) Describe the main characteristics of SOA (6)
- Q2 a) What are the conditions under which the web service takes the role of a service provider? What are the core principles that form the baseline foundation for SOA? (12)
b) Give a comparative study of service orientation with object orientation. (8)
- Q3 a) Explain Message Exchange Patterns in detail. What are different MEPs available in WSDL 1.1 (12)
b) Explain the business centric service oriented analysis. (8)
- Q4 a) What is the purpose of different layers of abstraction for SOA? Explain the orchestration service layer in detail. (10)
b) How is service oriented Architecture achieved in .NET platform? Discuss. (10)
- Q5 a) Explain the steps in Service Oriented Design. What are the main goals of performing service oriented design? (10)
b) Explain Entity - Centric and Task-Centric business Service design. (10)
- Q6 a) What are the benefits for incorporating service-orientation into business process level? What are the types of derived business services? (12)
b) What are the additional features that a WSIT implement to improve security in web services? (8)
- Q7 a) What are main components used to build J2EE web applications? (8)
b) Describe the function of JAXR in Web service architectural model, the two basic levels of business registry functionality supported by JAXR, and the function of the basic JAXR business objects and how they map to the UDDI data structures. (12)
- Q8 a) How are switch, case and otherwise elements used in WS-BPEL. Explain WS-BPEL functions, (12)
b) Define Policy Expressions. Explain WS-policy in brief. (8)