USN

13MCA545

Fifth Semester MCA Degree Examination, Dec.2017/Jan.2018
Service Oriented Architecture

Time: 3 hrs. Max. Marks:100

Note: ***Answer any FIVE full questions.***

1 a. Define SOA. Explain Eight contemporary characteristics of SOA. **(10 Marks)**
b. Briefly explain the tangible benefits of SOA. **(10 Marks)**

2 a. Differentiate between the standard organizations that contribute to SOA. **(06 Marks)**
b. Which are the different architecture types? Explain distributed internet architecture and compare with SOA. **(10 Marks)**
c. How SOA is reshaping XML and web services. **(04 Marks)**

3 a. Explain service description with WSDL. **(06 Marks)**
b. Explain the basic structure of a SOAP message. **(04 Marks)**
c. With proper examples and case studies, explain the following :
i) Service roles
ii) Service models **(10 Marks)**

4 a. Explain addressing with end point references and message information headers. **(10 Marks)**
b. What is Coordination? Explain WS – Coordination registration processes with neat diagrams. **(10 Marks)**

5 a. List and explain common principles of service orientation in detail. **(10 Marks)**
b. Explain the anatomy of SOA. **(10 Marks)**

6 a. Explain business service layer and application service layer. **(10 Marks)**
b. Explain service layer configuration scenarios. **(10 Marks)**

7 a. Explain the WS – BPEL process definition structure. **(06 Marks)**
b. Explain WS – addressing language basics. **(10 Marks)**
c. List out the WS – ReliabelMessage language elements. **(04 Marks)**

8 a. Explain Architectural consideration of enterprise applications. **(10 Marks)**
b. Write a short note on :
i) • NET Microsoft application platform
ii) Java enterprise edition model. **(10 Marks)**

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.