USN ☐☐☐☐☐☐☐☐☐☐

13MCA545

Fifth Semester MCA Degree Examination, Dec.2016/Jan.2017
Service Oriented Architecture

Time: 3 hrs.

Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. List and explain common characteristics of contemporary SOA.   **(12 Marks)**
    b. Which are the tangible benefits of SOA and explain?   **(08 Marks)**

2   a. Discuss about the standards organizations and major vendor that contribute to SOA.
       (10 Marks)
    b. Which are the different architecture types? Explain distributed internet architecture and compare with SOA.   **(10 Marks)**

3   a. Explain different types of web service roles.   **(10 Marks)**
    b. Explain SOAP message frameworks and SOAP nodes.   **(10 Marks)**

4   a. What is MEP? Explain various types of MEPs.   **(10 Marks)**
    b. Explain atomic transactions in detail.   **(10 Marks)**

5   a. What is choreography? Explain in detail.   **(10 Marks)**
    b. List and explain common principles of service orientation in detail.   **(10 Marks)**

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

7   a. Explain WS-addressing language basics.   **(10 Marks)**
    b. Explain software platforms for enterprise application.   **(10 Marks)**

8   Write short notes on the following:
    a. WSDL.
    b. XML.
    c. SOAP.
    d. Security.   **(20 Marks)**

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