13MCA545

Fifth Semester MCA Degree Examination, June/July 2019
Service Oriented Architecture

Time: 3 hrs.

Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. Discuss the different aspects of contemporary SOA that supports foster and promotes. **(10 Marks)**
    b. Elaborate on the main principles adopted during the design consideration. **(10 Marks)**

2   a. With suitable diagram, explain SOA versus 2-tier client server Architecture. **(07 Marks)**
    b. Write in detail the timeline of SOA. **(07 Marks)**
    c. What are the tangible benefits of SOA? Discuss. **(06 Marks)**

3   a. Discuss the characteristics of web service frame work. **(10 Marks)**
    b. With a neat diagram, explain the structure of SOAP. **(10 Marks)**

4   a. Write in detail about different service models in SOA. **(10 Marks)**
    b. What are the fundamental service roles? Discuss each one with suitable diagram. **(10 Marks)**

5   a. With relevant case study , explain the primitive Message Exchange Patterns (MEP's) in SOA. **(10 Marks)**
    b. Explain co-ordination framework with necessary diagram. **(10 Marks)**

6   a. Enumerate on orchestration and SOA. **(12 Marks)**
    b. Write in detail the components of SOA and discuss how they are inter related. **(08 Marks)**

7   a. Discuss SOA support in J2EE. **(08 Marks)**
    b. With suitable diagram, explain SAML model. **(12 Marks)**

8   Write a short notes on :
    a. Intermediaries
    b. $^+$models
    c. ACID transactions
    d. Digital signature
    e. Choreography. **(20 Marks)**

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