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13MCA545

Fifth Semester MCA Degree Examination, June/July 2016

Service Oriented Architecture

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Explain the common characteristics of contemporary SOA. (10 Marks)
b. Briefly explain the tangible benefits of SOA. (10 Marks)
- 2 a. Explain "standards" VS "specifications" VS "Extensions" and explain the difference between w₃c, OASIS, Ws – I. (10 Marks)
b. What is an architecture? How does "SOA VS client – server architecture and "SOA VS distributed internet architecture "differ, explain diagrammatically. (10 Marks)
- 3 a. Explain how services are provided using web? (10 Marks)
b. Explain briefly how service description are maintained using WSDL. (10 Marks)
- 4 a. What is message exchange pattern? What are the different types of MEP's? Explain briefly. (10 Marks)
b. Explain Reliable messaging briefly. (10 Marks)
- 5 a. Explain common principles of service orientation. (10 Marks)
b. Explain how service orientation relate with object orientation. (10 Marks)
- 6 a. Explain the difference between Application service layer and Business service layer and orchestration service layer. (10 Marks)
b. Explain service layer configuration scenarios. (10 Marks)
- 7 a. Explain WS – BPEL language Basics. (10 Marks)
b. Explain WS – Addressing language Basics. (10 Marks)
- 8 a. Explain Architectural considerations of enterprise applications. (10 Marks)
b. Explain solution Architecture for enterprise applications based on SOA. (10 Marks)

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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.