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Fifth Semester MCA Degree Examination, Dec.2019/Jan.2020 Service Oriented Architectures

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What are all the common characteristics of contemporary SOA? Explain any five. (08 Marks)
b. Define standard. Compare the three standard organizations namely OASIS, W3C, WS – I. (08 Marks)

OR

- 2 a. What is an architecture? Explain the different types of architecture. (08 Marks)
b. Compare SOA with distributed internet architecture. (08 Marks)

Module-2

- 3 a. List and explain the different types of service models. (08 Marks)
b. Explain elaborately the concept of co-ordination related to WS with neat diagram. (08 Marks)

OR

- 4 a. Define WSDL. Explain service descriptions using WSDL. (08 Marks)
b. Explain the different message exchange pattern with diagram. (08 Marks)

Module-3

- 5 a. Discuss in detail about the common principles of service orientation. (08 Marks)
b. Summarize the anatomy of Service Oriented Architecture. (08 Marks)

OR

- 6 a. Explain how the WS-reliable messaging specification helps in SOAP messages. (08 Marks)
b. Compare the service orientation principles and object orientation principles. (08 Marks)

Module-4

- 7 a. Explain how to design service oriented business process. (08 Marks)
b. Write short note about the following :
i) Orchestration service layer abstraction
ii) Business service layer abstraction. (08 Marks)

OR

- 8 a. What do you mean by the term agnostic service? Describe any two service layer configuration scenario. (08 Marks)
b. Explain the basics of WS – BPEL language. (08 Marks)

Module-5

- 9 Elaborate support for SOA in J2EE platform. (16 Marks)

OR

- 10 a. Discuss the key architectural consideration for enterprise application. (08 Marks)
b. List and explain the principles that are applicable to application server platform. (08 Marks)
