[4959]-1130

B.E. (Information Technology)
SERVICE ORIENTED ARCHITECTURE
(2012 Course) (414457) (Semester - I) (End Semester) (Elective - II) (Theory)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to candidates:

   1)   *Answer Question 1 or 2, 3 or 4, 5 or 6, 7 or 8, 9 or 10.*

   2)   *Neat diagrams must be drawn whenever necessary.*

   3)   *Figures to right indicate full marks.*

Q1) a)   Explain any 4 common mis perception about SOA.   **[4]**

    b)   Focusing on application logic, technology, security and administration compare SOA with 2-tier client server architecture.   **[6]**

OR

Q2) a)   Explain SOAP messaging format in detail.   **[6]**

    b)   Explain the organization of service description document.   **[4]**

Q3) a)   Explain correlation with respect to web service and contemporary SOA.   **[5]**

    b)   Explain WS metadata exchange specification.   **[5]**

OR

Q4) a)   Explain WS eventing frame work.   **[5]**

    b)   What is service reusability and service contract? Explain how service reusability interrelates with other service oriented principles.   **[5]**

P.T.O.

Q5) a) Explain the basic phases of SOA delivery life cycle. **[8]**

b) What are the benefits of business centric SOA? **[4]**

c) Differentiate between task centric and entity centric business services.**[4]**

OR

Q6) a) Explain in brief the steps involved in service modeling process. **[8]**

b) Explain set of guidelines for service modeling. **[8]**

Q7) a) What are overall goals of performing a service oriented design. Explain the steps for service oriented design process. **[8]**

b) Discuss SOAP language basics. **[8]**

OR

Q8) a) What is ment by service oriented design? Discuss the WSDL language basics. **[6]**

b) Explain the steps for composing SOA. **[10]**

Q9) a) Distinguish between application business service design and task centric business service design. **[6]**

b) Explain the steps required to create WS-BPEL process definition. **[8]**

c) Explain the mapping between SOA and cloud computing. **[4]**

OR

*Q10)*a) Explain WS - BPEL process definition structure. **[6]**

b) Write short note on:

i) WS coordination

ii) QOS compliance in SOA governance.

iii) Service design of business services. **[12]**

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