

Total No. of Questions : 10]

SEAT No. :

**P3641**

**[4959]-1130**

[Total No. of Pages : 2

**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 meant 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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