

Total No. of Questions : 10]

SEAT No. :

P3134

[5154]-700

[Total No. of Pages : 2

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicates full marks.*

- Q1)** a) Explain how contemporary SOA promotes discovery. **[5]**
b) List and explain different roles, service assumes during runtime processing of a message. **[5]**

OR

- Q2)** a) Explain in brief service description with WSDL. **[5]**
b) Justify. "Contemporary SOA is loosely coupled. **[5]**

OR

- Q3)** a) State and explain types of message exchanging patterns (MEP). **[5]**
b) What are different delivery assurances in reliable messaging, explain each with diagram. **[5]**
- OR
- Q4)** a) Explain following terms of WS-security. **[5]**
i) Identification
ii) Authentication
iii) Authorization
iv) Confidentiality
v) Integrity
b) Explain WS-Notification and WS-Eventing **[5]**

P.T.O.

- Q5) a)** Compare Top down delivery strategy and bottom up delivery strategy. [8]
b) With neat diagram explain Agile strategy of SOA delivery. [8]

OR

- Q6) a)** Enlist and explain sources from which services can be derived and types of derived services. [8]
b) List and Explain Service Modeling guidelines. [8]

- Q7) a)** Explain high level service oriented design phase. [9]
b) Explain WSDL related XML Schema language basics. [9]

OR

- Q8) a)** Explain following elements of WSDL language basics. [9]
i) definition element
ii) types element
iii) message and parts element
iv) port Type, interface and operations element
b) Explain different considerations for positioning core SOA standards. [9]

- Q9) a)** Explain steps of designing entity centric business service. [8]
b) Explain service design guidelines. [8]

OR

- Q10) a)** Explain any four elements of WS-BPEL language basics. [8]
b) Explain high level process for designing business processes. [8]

