

Total No. of Questions : 10]

SEAT No. :

P2357

[Total No. of Pages : 2

[5254] - 690

B.E. (Information Technology)

SERVICE ORIENTED ARCHITECTURE (Elective - II)
(2012 Pattern)

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 indicate full marks.*
- 4) *Assume suitable data, if necessary.*

Q1) a) Explain the common misperceptions about SOA. [6]

b) Write brief notes on messaging with SOAP. [4]

OR

Q2) a) Enlist the pitfalls of adopting SOA. [4]

b) Explain in detail about service descriptions (WSDL) and it's types. [4]

Q3) a) Explain in detail about three different layers of abstraction for SOA. [6]

b) Write brief notes on business activity coordinator with neat diagrams. [4]

OR

Q4) a) Explain in detail about coordinator service composition with activation, registration and completion process with a neat sketch. [5]

b) With neat diagrams, explain in detail about anatomy of the service oriented architecture. [5]

Q5) a) With a neat block diagram, explain in detail about step by step process of service modeling. [8]

b) What are the objectives of service oriented analysis? [4]

c) Discuss benefits of a business centric SOA. [4]

P.T.O.

OR

- Q6)** a) Explain in detail SOA delivery life cycle phases. [8]
b) What are the types of derived business services? [4]
c) Explain service modeling guidelines. [4]
- Q7)** a) Write brief notes on service oriented design process. [8]
b) Give the syntotical implementation of all the elements in WSDL. [8]
c) List out the elements that are present in the structure of a SOAP message document. [2]

OR

- Q8)** a) Explain in detail about WSDL language basics and SOAP language basics. [8]
b) Explain in detail about steps for composing SOA and possiple considerations for choosing service layer and for positioning core SOA standard. [10]
- Q9)** a) What is the purpose of application service design? [8]
Give step-by-step the process of application service design.
b) Explain briefly about WS-Coordination with coordination context, Identifier and expives elements. [8]

OR

- Q10)** a) What are the design concerns for a task-centric business service design? [8]
b) How are the switch, case and other wise elements used in WS-BPEL?[8]

