

Total No. of Questions : 12]

SEAT No. :

P4131

[4860]-337

[Total No. of Pages : 2

M.E. (Computer Engineering)
WEB SERVICES AND SOA
(2008 Pattern) (Elective - II(c)) (Semester - I)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Answers to the two sections should be written in separate answer books.*
- 2) *Answer any three questions from each section.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Figures to the right side indicate full marks.*
- 5) *Assume Suitable data if necessary.*

SECTION - I

- Q1)** a) Write Short Note on Business Process Execution Language for Web Services. **[4]**
b) Write Short Notes on SOAP and WSDL **[10]**
c) Compare Web services with Distributed Computing. **[4]**

OR

- Q2)** a) Explain Web Services security and specifications. **[8]**
b) Explain Web Services Reliable messaging and WS Policy. **[10]**

- Q3)** a) Explain Evolution and need of SOA and Business Value of SOA. **[8]**
b) Draw components of Service Oriented Architecture and explain SOA. **[8]**

OR

- Q4)** a) Write Short Notes on : **[8]**
i) ESB. ii) SOA Characteristics
b) Explain IBM on Demand operating environment. **[8]**

- Q5)** a) Write Short Note on Enterprise solution assets (ESA). **[6]**
b) Explain in detail determining nonfunctional requirements. **[4]**
c) Explain service models for legacy application integration and enterprise integration. **[6]**

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OR

- Q6)** a) Write Short Note on SOA Delivery Strategies. [8]
b) Explain SOA Life Cycle with neat diagram. [8]

SECTION - II

- Q7)** a) Explain how Quality assurance is achieved SOA. [6]
b) Explain in detail Service-oriented design process. [6]
c) Explain ESB architecture in detail. [6]

OR

- Q8)** a) Write a note on 'Tools available for appropriate designing in SOA. [6]
b) Explain determining services and tasks based on business process model. [6]
c) How security implementation is done in SOA? Explain. [6]

- Q9)** a) Explain obtaining Quality of Service in SOA governance. [8]
b) Explain distributing service management and operational management challenges in Web services management. [8]

OR

- Q10)** a) Explain Role of ESB in SOA governance. [4]
b) Explain SOA governance in detail. [8]
c) Explain effect of changes to services in the SOA lifecycle. [4]

- Q11)** a) Explain What is Blog with some example and explain different types of blogging. [8]
b) Explain RSS with suitable example, also explain RSS Feed. [8]

OR

- Q12)** a) Write short note on JavaScript, explain various applications of JavaScript in detail. [8]
b) Write short note Ajax and the applications. [8]

