[5155]-20
M.E. (Computer)
WEB SERVICES AND SOA
(2008 Pattern) (Elective -II) (Theory)

Time : 3 Hours]   *[Max. Marks : 100*
Instructions to the candidates:

    1)   *Answer any three questions from each section.*

    2)   *Answer to the two sections should be written in separate books.*

    3)   *Neat diagrams must be drawn wherever necessary.*

    4)   *Figures to the right indicate full marks.*

    5)   *Assume suitable data, if necessary.*

SECTION -I

Q1) a)   What do you mean by WSDL? Explain WSDL Document structure in detail. **[6]**

     b)   Explain what do you understand by registry, UDDI. **[4]**

     c)   What is significance of SOAP in terms of Web Services? Also explain SOAP message structure. **[6]**

Q2) a)   What are best practices for selecting an SOA solution? **[4]**

     b)   Explain SOA architecture in detail. Give run time and design time requirements for SOA. **[8]**

     c)   Describe ESB in detail. **[4]**

Q3) a)   Explain common and primary stages related to SOA projects lifecycle. Give suitable example. **[8]**

     b)   Give different benefits of Business centric SOA. **[4]**

     c)   Explain any two non-functional requirements in SOA implementation.**[4]**

Q4) Write short notes on (any three) **[18]**

    a)   SOA enterprise software models

    b)   Web Services Policy

    c)   Enterprise solution assets (ESA)

    d)   SOA Delivery Strategies

    e)   SOA characteristics

SECTION -II

Q5) a)   What are different SOA design activities? **[4]**

    b)   Describe any two tools available for appropriate SOA designing. **[6]**

    c)   Explain Designing service integration environment. **[6]**

Q6) a)   Explain any two SOA standards. **[4]**

    b)   Describe role of ESB in SOA governance. **[4]**

    c)   Describe how SOA governance extends its relationship towards Enterprise. Architecture Governance and IT Governance to support Business Governance. **[8]**

Q7) a)   What is AJAX and what is need for it. **[4]**

    b)   What are BLOGS, and how BLOGS can be used in educational institute by different stakeholders? **[6]**

    c)   Explain SOA Governance in terms of **[6]**

        i)   Roles and responsibilities

        ii)   Policies

        iii)   Critical success factors

Q8) Write short note on (any three) **[18]**

    a)   Web 2.0

    b)   Role of ESB in SOA governance

    c)   Wikis

    d)   Security implementation in SOA

    e)   Service-oriented design process

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