Code No: D2504

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Regular Examinations, October 2010
SERVICE ORIENTED ARCHITECTURE
(SOFTWARE ENGINEERING)

Time: 3hours   Max. Marks: 60
Answer any five questions
All questions carry equal marks
- - -

1. a)   Define SOA. List the primary characteristics of contemporary SOA.
   b)   Explain how services communicate and how they are designed.

2.   Explain service description with WSDL in detail with a case study.

3.   What are message exchange patterns and how the messages are been coordinated.
        Explain with a case study.

4. a)   What are the coordination types and coordination protocols available?
   b)   Explain the protocols in detail.

5. a)   Explain the three primary service layers with a neat diagram.
   b)   Give the structure of the following scenarios
        i) Hybrid application services only
        ii) Task-centric business services and utility service.

6. a)   Discuss the pros and cons of the three SOA delivery strategies.
   b)   Briefly explain the agile strategy.

7.   Explain the elements available in WSDL language and SOAP language.

8.   Elucidate the guidelines of service design.

---o0o---