R09

Code No: **D2507**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech II - Semester Examinations, March/April 2011
SEMANTIC WEB AND SOCIAL NETWORKS
(SOFTWARE ENGINEERING)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
- - -

1.   a) Discuss the limitations of today's web.
      b) Give a detail note on software agents.   [12]

2.   a) Explain the role of ontologies in semantic web.
      b) Construct an XML scheme for library information management system.
                                                                                               [12]

3.   a) Describe monotonic and non monotonic rules.
      b) Explain the basic elements of OWL.   [12]

4.   Discuss in detail Resource Description Frame work Inference engine.
                                                                                               [12]
5.   Give an overview of Ontology development tools.   [12]

6.   Explain semantic web application with a suitable example.   [12]

7.   How to create an OWL-S ontology for web services? Explain in detail.
                                                                                               [12]
8.   a) Briefly discuss the electronic sources for network analysis.
      b) Write about online communities.   [12]

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