

**R09**

**Code No: D2507, D6203**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**M.Tech II - Semester Regular Examinations September, 2010**

**SEMANTIC WEB AND SOCIAL NETWORKS**

**(COMMON TO SOFTWARE ENGINEERING, WEB TECHNOLOGIES)**

**Time: 3hours**

**Max. Marks: 60**

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

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- 1 a) Explain about Intelligent Web Applications.  
b) What are the limitations of Web?
- 2 Explain the following  
a) Machine Intelligence                      b) Ontologies.
- 3 Describe Resource Description Framework in detail.
- 4 a) Write short notes on UML.  
b) Explain the methods of Ontology.
- 5 a) What are the rules and inference engines in Ontology engineering?  
b) Explain semantic Bio informatics.
- 6 a) Explain semantic search technology.  
b) Write short notes on Blogs and online communities?
- 7 How can you build semantic web applications with social network features?
- 8 Define the following.  
a) Inference engines  
b) e-Learning  
c) Web-based networks.

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