

Code No: D2507, D6203

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.TECH II - SEMESTER EXAMINATIONS, APRIL/MAY-2012

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. Give an overview of the following:
 - a) Software agents
 - b) Machine Intelligence.
2. Write short notes on:
 - a) e-learning
 - b) Electronic discussion networks.
- 3.a) Explain the macro-structure of social networks.
b) Write about Web Based Networks.
- 4.a) Explain Ontology Methods.
b) Explain Semantic Bioinformatics.
- 5.a) What is knowledge? Explain XML based Web Services.
b) Explain how OWL-S ontology is created for Web services.
6. Explain how UML & XML is used for knowledge representation. Give examples.
- 7.a) Define the following:
 - i) Ontology
 - ii) Artificial Intelligence.
b) What are the limitations of today's web?
8. Explain Resources Description Framework (RDF) schema and its role in semantic web.

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