

R17

Code No: 845AH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, February - 2021****SEMANTIC WEB AND SOCIAL NETWORKS****Time: 2 hours****Max. Marks: 75**

Answer any five questions
All questions carry equal marks

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- 1.a) Explain about logic on the semantic Web.
b) Draw and explain the Markup language pyramid. [7+8]
- 2.a) Discuss about the information age.
b) Discuss about semantic Road map. [7+8]
- 3.a) Explain about the OWL full vocabulary.
b) Explain about ontologies and their role in the semantic web. [7+8]
4. Briefly explain about ontology languages for the semantic Web. [15]
- 5.a) Discuss about ontology engineering.
b) Describe monotonic and non monotonic rules in detail. [7+8]
- 6.a) Explain about logic and inference.
b) Discuss about ontology mapping. [7+8]
- 7.a) Explain about latent semantic index search.
b) Discuss about semantic Web applications. [8+7]
8. Explain the following:
a) Network analysis
b) Blogs and online communities. [7+8]

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