R17

Code No: 845AH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, October/ November - 2020
SEMANTIC WEB AND SOCIAL NETWORKS

Time: 2 Hours   Max.Marks:75

Answer any five questions
All questions carry equal marks

1.a)   What are the limitations of web? Write about Next generation web.
  b)   Draw and explain the Markup language pyramid.   [7+8]

2.a)   Explain about the OWL full vocabulary.
  b)   Discuss in detail about semantic Web layer cake.   [7+8]

3.a)   Discuss about RDF ontology engineering.
  b)   Describe monotonic and nonmonotonic rules in detail.   [7+8]

4.a)   Describe enterprise application integration.
  b)   Explain in detail about Swoogle.   [7+8]

5.   Explain the following:
      a) Electronic sources for network analysis.
      b) Blogs and online communities.   [7+8]

6.a)   Discuss about the information age.
  b)   Describe computational complexity for large networks.   [7+8]

7.   Briefly explain about ontology languages for the semantic Web.   [15]

8.a)   Explain about ontology development tools.
  b)   Discuss about ontology sharing and merging.   [7+8]

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