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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA V Semester Examinations, January - 2018 SYMANTIC WEB AND SOCIAL NETWORKS

Time: 3 Hours

Code No: 815BK

Max. Marks: 60

Note: This question paper contains two parts A and B. Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

	5 × 4 N	Aarks = 20
1.a)	Briefly explain about the information age.	[4]
b)	Explain about XQuery.	[4]
c)	Discuss about descriptive logic.	[4]
d)	Describe XML-based Web services.	[4]
e)	Explain the generic architecture of semantic Web applications.	[4]
	PART - B	
	5×8 M	/larks = 40
2.a)	Explain about the World Wide Web.	
b)	Distinguish between artificial intelligence and machine intelligence.	[4+4]
	OR	
3.a)	Explain about inference engines.	
b)	Describe computational complexity for large networks.	[4+4]
4.a)	Discuss about compatibility of OWL and RDF/RDFS.	
b)	Explain about ontology mapping tools	[4+4]
	OR	
5.a)	Describe constructing ontology.	
b)	Explain about RDF language.	[4+4]
6.a)	Discuss about enterprise application integration.	
b)	Explain about RDF inference engine.	[4+4]
,	OR	
7.a)	Describe logic and inference.	
b)	What are semantic Web applications?	[4+4]
0	What is notwork analysis? Explain development of social notwork analysis	F01
8.	What is network analysis? Explain development of social network analysis. OR	[8]
9.	Explain in detail about semantic search technology.	[8]
9.	Explain in detail about semantic search technology.	[0]
10.	Discuss about building semantic Web applications with social networks features. OR	[8]
11.	Explain the following:	
	a) Elmo	
	b) Blogs and online communities.	[4+4]

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