R13

Code No: 118EQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year II Semester Examinations, June - 2018 SEMANTIC WEB AND SOCIAL NETWORKS

	SEMANTIC WEB AND SOCIAL NETWO	
Time:	(Computer Science and Engineering) 3 hours	Max. Marks: 75
Note:	This question paper contains two parts A and B.	
	Part A is compulsory which carries 25 marks. Answer all	-
	consists of 5 Units. Answer any one full question from each	unit. Each question carries 10
	marks and may have a, b, c as sub questions.	
	JJ JJ JJ PART-A JJ	- JJ J.
	IAKI - A	(25 Marks)
1.a)	What is artificial intelligence?	(23 Marks)
b)	What is solvable on the Web?	[3]
c)	Explain about HTML language.	[2]
ď)	Give an overview of Web ontology language.	[3]
e)	What is e-learning? Explain.	[2]
f)	Explain about monotonic and nonmonotonic rules.	[3]
g)	What is degree centrality?	[2]
h)	Discuss about Swoogle.	[3]
i)	Define Jaccard-coefficient.	[2]
j)	Explain about Sesame.	[3]
	PART - B	
		(50 Marks)
2.a)	Explain how HTML limits the manipulation of information.	
b)	Discuss about the information age.	[5+5]
	OR	
3.a)	Discuss how the number of nodes on the Web creates co	omputational complexity that
	limits the ability to develop logic proof systems.	
b)	Describe the semantic Web road map.	[5+5]
4		JJ J.
4.a) b)	Explain basic elements of RDF language. Give examples of ontology and OWL.	[5+5]
U)	OR	[3+3]
5.a)	Discuss about ontology methods, matching and mapping.	
b)	Explain sharing and merging.	[5+5]
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6.a)	Describe logic and inference.	
b)	Discuss about semantic Web applications and Web services.	[5+5]
	OR	
7.a) b)	Explain about inference engines.	
	Discuss about enterprise application integration.	[5+5]

	JJ			JJ		
8.a) b) 9.a)	What is sociation when the work of the wor	nt latent semantic al network analys nt semantic searcl	sis? Explain. OR h technology.			[5+5]
) b) 10.	What are per Explain in de	[5+5] features. [10]				
11.	Explain in de	etail about Web-ł	oased networks.			[10]
	JJ					