Code No: 118EQ

## B. Tech IV Year II Semester Examinations, April - 2018 SEMANTIC WEB AND SOCIAL NETWORKS

JJ	Time:	SEMANTIC WEB AND SOCIAL NETWORKS (Computer Science and Engineering)  Max. Max. Max. Max. Max. Max. Max. Max.	rks: 75
	Note:	This question paper contains two parts A and B.	
		Part A is compulsory which carries 25 marks. Answer all questions in Part	
		consists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions.	carries 10
		PART - A	
			25 Marks)
	1.a)	What is machine intelligence?	[2]
	b)	Explain in detail about ontology.	[3]
	c)	Describe ontology libraries.	[2]
	d)	Discuss about constructing ontology.	[3]
	e)	What is descriptive logic?	[2]
//	f)	Explain about knowledge base.	[3]
	g)	What is TAP?	[2]
	h)	Explain about random graph model.	[3]
	i)	What is snowballing technique?	[2]
	j)	Explain about GraphUtil.	[3]
	2		50 Marks)
	2.a)	Discuss about logic on the semantic Web.	F.C
	b)	Explain about reasoning with semantic networks. <b>OR</b>	[5+5]
	3.a)	List the possible uses for small devices that may develop within the next 5 years.	
	b)	Explain about the World Wide Web.	[5+5]
: :	0)	Explain about the World Wide Web.	[5,5]
	4.a)	Explain about ontology "Spot" example.	
//	b)	Describe compatibility of OWL and RDF/RDFS.	[5+5]
	-,	OR	[]
	5.a)	Discuss about ontology engineering and ontology development tools.	
	b)	Briefly explain about ontology schema.	[5+5]
	6.	Explain about semantic search semantic bioinformatics.	[10]
		OR	
	7.	Explain in detail about logic, inference and rules.	[10]

		JJ	JJ	JJ		
8.a) b) 9.a) b)	Discuss about Web search agents.  Explain about the global structure of networks.  OR  What is a search engine? Explain about search engines.  Describe development of social network analysis.				[5+5] [5+5]	
10.	b) Web-based Explain the f	ic architecture of d networks.	OR	oplications	[5+5]	
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