## CBCS SCHEME

USN									20SCS22
	ł	1	1	1	1	1	1		

## Second Semester M.Tech. Degree Examination, July/August 2022 Semantic Web and Social Networks

Tin	ie: 3	Max. M	larks: 100
	N	ote: Answer any FIVE full questions, choosing ONE full question from each mo	dule.
		Module-1	
1	a.	Explain intelligent web applications.	(10 Mark
_	b.	Discuss about the World Wide Web.	(10 Mark
		OR	
2	a.	Write a note on the information age.	(10 Mark
	b.	Describe semantic road map.	(10 Mark
•		Module-2	(10 Mord
3	a.	Explain how semantic web is used for knowledge representation.	(10 Mark (10 Mark
	b.	Explain the basic elements of RDF language.	(10 Mair
		OR	
4	a.	Explain Resource description framework schema.	(10 Marl
	b.	Describe ontology web language.	(10 Marl
		Module-3	
5	a.	Explain the process of constructing ontology.	(10 Marl
	b.	Discuss about methods, ontology sharing and merging.	(10 Marl
		OR	(10.37
6	a.	Discuss about ontology engineering and ontology development tools.	(10 Marl
	b.	Give an overview of the following:  (i) Ontology logic rules  (ii) Inference engines	(10 Marl
		(i) Ontology logic rules (ii) Inference engines	(IU Mai)
		Module-4	
7	a.	Explain the XML based web services.	(10 Marl
		What is the role of ontology in semantic web services?	(10 Mar
	100		
		OR	
8	a.	Discuss about web search agents and semantic search technology.	(08 Mar
	b.	Explain OWL-S service profiles. Explain how OWL-S ontology is created for we	
			(12 Mar
		Module-5	
9	a.	Explain how semantic web application is build with social network features.	(10 Mar
	b.	In detail explain web based networks.	(10 Marl
		ADD OR	
		OR	(10 Mar
10	a.	What is a search engine? Explain about search engines.	(10 Mar
	b.	Write short notes on:  (i) Blogs and online communities  (ii) Electronics discussion network	(10 Mar
		(1) Diogs and offine confindinces (11) Diocetonics diseassion network	(20 1.141)