Code No.: IT743PE

[Time: 3 Hours]

11.

R20

H.T.No.

8

R

[Max. Marks: 70]

[10M]

CMR ENGINEERING COLLEGE: : HYDERABAD UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Regular) - November- 2024 SEMANTIC WEB & SOCIAL NETWORKS

(IT)

		arks. /uj
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 qu	estion
	carries 10 marks and may have a, b, c as sub questions.	
	carries to marks and may have a, b, c as sub questions.	
	PART-A	(20 Marks)
1. a)	Which organization developed open Web standards?	IMCI
b)	What is solvable on the Web?	[2M]
		[2M]
c)	Give an overview of Web ontology language.	[2M]
d)	Describe ontology libraries.	[2M]
e)	Explain about monotonic and nonmonotonic rules.	[2M]
f)	What is descriptive logic?	[2M]
g)	Explain about Stemming?	[2M]
h)	Why is semantic web so useful for the development of web?	[2M]
i)	Explain about Personal Networks.	[2M]
j)	Give the significance of the blogs and wikis in Social Web.	[2M]
	DART P	(50 Manles)
2 0)	Explain how UTMI limits the appropriate of the first form	(50 Marks)
2.a)	Explain how HTML limits the manipulation of information.	[5M]
b)	Discuss about the information age.	[5M]
2 \	OR OR	3 -
3.a)		[5M]
b)	Analyze the concept of Machine Intelligence and evaluate how the Turing Test assesse	s a [5M]
	machine's capability to exhibit intelligent behavior.	
4.	Explain Resources Description Framework (RDF) schema and its role in semantic web.	[10M]
	OR	[101.1]
5.a)	Discuss about ontology methods, matching and mapping.	[5M]
b).	Explain sharing and merging.	[5M]
	Explain sharing and morging.	[2141]
6.a)	Explain about inference engines.	[5M]
b)	Discuss about enterprise application integration.	[5M]
0)	OR	[5141]
7.	Explain in detail about logic, inference and rules.	[10M]
		[1011]
8.a)	Discuss about semantic search technology.	[5M]
	What is social network analysis? Explain.	[5M]
0)	OR	[JIVI]
9.a)	What is a search engine? Explain about search engines.	[5M]
b)	Explain about Electronic Discussion networks.	
0)	Explain about Electronic Discussion networks.	[5M]
10.	Explain the following:	
a)	Blogs and online communities.	[5M]
b)	Web based Networks.	[5M]

OR

Explain in detail about the generic architecture of semantic Web applications.