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R-17

Code: 7G182

IV B.Tech. II Semester Supplementary Examinations January 2022

Semantic Web and Social Networks
(Computer Science and Engineering)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

	Marks	CO	Blooms Level
UNIT-I			
1. a) Discuss inference engines and software agents as they relate to Semantic Web logic.	7M	CO-1	L2
b) Elaborate the features of next generation web?	7M	CO-1	L2
OR			
2. a) Explain how the Semantic Web is to apply advanced knowledge technologies to fill the knowledge gap between human and machine.	8M	CO-1	L3
b) Discuss about intelligent web applications.	6M	CO-1	L2
UNIT-II			
3. a) Describe compatibility of OWL and RDF/RDFS	8M	CO-2	L2
b) Explain about ontology "Spot" example.	6M	CO-2	L2
OR			
4. a) What are the requirements for web ontology language? What is its relationship with RDF schema?	7M	CO-2	L1
b) Discuss how UML is used for knowledge representation	7M	CO-2	L2
UNIT-III			
5. a) Discuss ontologies and languages concerned with Semantic Web.	7M	CO-3	L2
b) Briefly explain about ontology schema.	7M	CO-3	L2
OR			
6. a) Explain how OWL-S ontology is created for web services	7M	CO-3	L2
b) Explain three essential types of knowledge that ontology of services provides with suitable examples	7M	CO-3	L3
UNIT-IV			
7. a) Explain Semantic Bioinformatics and knowledge bases.	8M	CO-4	L2
b) What is a search engine? Explain about search engines.	6M	CO-4	L1
OR			
8. a) Discuss about semantic search technology.	6M	CO-4	L2
b) Explain the OWL-S service profiles? Explain how OWL-S ontology is created for web services.	8M	CO-4	L3
UNIT-V			
9. a) Describe development of social network analysis.	7M	CO-5	L2
b) Explain electronic sources for network analysis.	7M	CO-5	L2
OR			
10. a) Explain in detail about building Semantic Web applications with social network features	8M	CO-5	L3
b) Define the following.			
i) Inference engines			
ii) e-Learning			
iii) Web-based networks.	6M	CO-5	L1

END

Hall Ticket Number :										
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R-15

Code: 7G181

IV B.Tech. II Semester Supplementary Examinations January 2022

Cloud Computing

(Computer Science and Engineering)

Max. Marks: 70

Time: 3 Hours

Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks)

		Marks	CO	Blooms Level
UNIT-I				
1.	a) What is the purpose of Network-centric and Network-Centric content explain briefly?	7M	CO1	L1,L2
	b) Explain Cloud Computing delivery models & Services?	7M	CO1	L2
OR				
2.	Explain about cloud computing at Amazon?	14M	CO1	L2
UNIT-II				
3.	a) Give the palette of various workflow patterns available for application development.	7M	CO2	L2
	b) List any five advantageous of using of cloud services in the transportation industry.	7M	CO2	L2
OR				
4.	Discuss in detail the working of Zoo-keeper model for resource coordination, along with its read and write operations.	14M	CO2	L2
UNIT-III				
5.	a) Discuss the role of the following: VMM, VM and Hardware virtualization.	7M	CO3	L2
	b) Explain three approaches used in Xen for network virtualization optimization.	7M	CO3	L2
OR				
6.	a) Explain how virtualization could become fatal for your organization by highlighting its darker side,	7M	CO3	L2
	b) Discuss the working of Ring-IO in Xen, along with any four salient features of Xen.	7M	CO3	L2
UNIT-IV				
7.	a) What are the basic policies and mechanism for resource management?	7M	CO4	L3
	b) Explain Feedback control based on dynamic thresholds?	7M	CO4	L2
OR				
8.	Explain Google File System?	14M	CO4	L2
UNIT-V				
9.	Explain Cloud security risks?	14M	CO5	L2
OR				
10.	a) Explain about Virtual machine security?	7M	CO5	L2
	b) Discuss about security risks posted by a management OS?	7M	CO5	L2
