Sea	t No.:	Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER IV (NEW) – • EXAMINATION – SUMMER 2016		
Subject Code: 2740204 I Subject Name: Semantic Web			Date:04/05/2016	
	ructio 1.	Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a) (b)	With neat sketch explain the architecture of semantic web. Explain practical importance of semantic web with example.	07 07	
Q.2	(a)	Explain the Flow of information in XML-based data exchange with neat sketch.	07	
	(b)	Explain XML Tags, Attributes and elements with example. OR	07	
	(b)	Create simple XML documents with student database.	07	
Q.3	(a) (b)	Compare DTD and XML schema with example. Explain practical importance of RDF Query Language with example. OR	07 07	
Q.3	(a) (b)	Explain Direct Inference System for RDF with example. Compare RDF Layer and RDF Schema Layer.	07 07	
Q.4	(a)(b)	Explain following terms with example in OWL 1.allValuesFrom 2.hasValue 3.someValuesFrom What are the Requirements for Ontology Languages? Compare Expressive Power and Efficient Reasoning Support	07	
		OR		
Q.4	(a) (b)	Explain Monotonic Rules and Nonmonotonic rules with syntax & examples. Explain Inference Rules with example	07 07	
Q.5	(a) (b)	Explain in detail Data Integration at Audi. Explain practical importance of E-Learning and Web Services with example. OR	07 07	

(a) With neat sketch Explain Knowledge semantic web architecture in detail.(b) Explain Manual construction of Ontology.

Q.5

07 07