Sea	at No.:	Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER IV (NEW) – • EXAMINATION – WINTER 2016		
U			26/10/2016	
Subject Name: Semantic Web Time:02:30 pm to 05:00 pm Instructions: Total Mar		70		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain practical importance of semantic web with example. Explain layered approach of semantic web.	07 07	
Q.2	(a) (b)	Explain structure of XML with example. Can you explain how to implement XML in semantic web? Explain with example	07 07	
	(b)	OR Explain the Flow of information in XML-based data exchange with neat sketch.	07	
Q.3	(a) (b)	Compare RDF and RQL with example. How to use RDF Schema syntax and language with example. OR	07 07	
Q.3	(a) (b)	Write short note on Direct Inference System. Compare RDF and OWL.	07 07	
Q.4	(a)	How can you implement OWL language in semantic web? Explain in detail	07	
	(b)	with example. Explain following terms with example in OWL 1.allValuesFrom 2.hasValue 3.someValuesFrom OR	07	
Q.4	(a) (b)	Explain Monotonic Rules and Nonmonotonic rules with example. Explain practical importance and use of Encoding XML.	07 07	
Q.5	(a) (b)	What do you mean by Web Services? Explain in detail with example. Explain in detail Data Integration at Audi. OR	07 07	
Q.5	(a) (b)	With neat sketch Explain Knowledge semantic web architecture in detail. How can you implement Manual construction of Ontology in Semantic Web? Explain in detail.	07 07	
