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Academic Year: 2017-2018

Date of Exam: 29-08-2017

Course Code and Title: 15CS424E SEMANTIC WEB

PART A

$$5 * 4 = 20$$

Sl. No	Question	Course Outcome	Bloom's Taxonomy	Marks
1	Differentiate between Syntactic Web and Semantic Web	a	Knowledge	4
2	What all information can be obtained from ontologies?	b	Analyze	4
3	Sketch the vocabulary differentiating RDF and RDFS	b	Design	4
4	List the Syntactic rules for well formed XML documents	a	Knowledge	4
5	Write the axiomatic semantics of RDFS for subClassOf	b	Interpret	4

PART B

$$2 * 15 = 30$$

Sl. No	Question	Course Outcome	Bloom's Taxonomy	Marks
6.	Describe the Layered Approach of Semantic Web	a	Knowledge	15
7	i) Elaborate the comparison between unstructured, semi structured and unstructured data ii) State the limitations of the expressive power of RDF Schema	a	Knowledge	8 7
8	Develop an XML coding representing Tree Representation for a Library Management	b	Design, Interpret	15

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Sl. No	Question	Course Outcome	Bloom's Taxonomy	Marks
6.	Illustrate the evolution of traditional web to Semantic web	a	Knowledge	15
7	i) Illustrate the Reification mechanism ii) Compare entity-relationship model of RDF	b a	Interpret Knowledge	8 7
8	Develop an XML coding representing Tree Representation for a email Generation	b	Design, Interpret	15