

Indian Statistical Institute
Documentation Research and Training Center

MS in Library and Information Science
Mid-Semester Exam (IV semester) (2015-2017)

Paper -20 : SEMANTIC WEB

Date: 22.02.2017

Max Marks: 40

Time: 90 minutes

Answer any four questions. All questions carry equal marks.

1. What is Semantic Web (SW)? Briefly, describe Tim-Berners Lee defined SW layers. [2+8]
2. Briefly, describe how the web search engines work. What are limitations of the present web? What are the desirable features to make it semantic for end users? [4+3+3]
3. What is an ontology? Discuss the usefulness of ontologies in various applications and especially in information retrieval. [2+8]
4. What is a Knowledge Representation (KR)? Briefly discuss the essential features of a KR language. [3+7]
5. Answer *any two* of the following. [5*2]
 - a. Discuss the differences between a thesaurus and an ontology.
 - b. Briefly, discuss Semantic annotation.
 - c. Write a short note on UML.