Indian Statistical Institute Documentation Research and Training Centre

MS in Library and Information Science Mid-Semester Exam (IV semester) (2020-2022)

Paper -20 : SEMANTIC WEB

Date:	08.03.2022 Max Ma Time: 90	
Answer any four questions. All questions carry equal marks.		
1.	What is Semantic Web (SW)? Briefly, describe any three layers Berners Lee defined SW technology stack.	of Tim- [2+8]
2.	Briefly, illustrate the information search problems using the traditional engines on the Web. Briefly, discuss the possible solutions which improve the information search problems on the Web.	al search would [5+5]
3.	What is ontology? Briefly, discuss the various types of ontologies con the scope of object description as the classification criteria.	sidering [2+8]
4.	(a) Briefly discuss the essential features of a KR language.	[5]
	(b) Draw a formal RDF graph for the following statement: Classification, a faceted classification system, developed by Ranganathan. The first edition was published in 1933.	Colon S. R. [5]
5.	(a) Discuss the differences between a thesaurus and an ontology.(b) Briefly, illustrate RDF Collection.	[5] [5]