Indian Statistical Institute
Documentation Research and Training Centre

MS in Library and Information Science
Mid-Semester Exam (IV semester) (2022-2024)

Paper –20 : SEMANTIC WEB

Date: 22.02.2024

Max Marks: 40
Time: 90 minutes

*Answer any **four** questions. All questions carry equal marks.*

1. What is Semantic Web? Explain the motivations and reasons for the proposition of the Semantic Web.   [2+8]

2. Discuss RDF with an example. Briefly, describe SKOS vocabulary.   [5+5]

3. What is ontology? Discuss its merits and demerits over taxonomy and thesaurus in knowledge representation.   [2+8]

4. Briefly, describe the following three technologies mentioning their uses in context of the development of semantic applications: URI, SPARQL, and OWL.   [10]

5. (a) Briefly, describe DCAT.   [5]
   (b) Briefly, describe semantic net.   [5]