Indian Statistical Institute
Documentation Research and Training Centre

MS in Library and Information Science
Mid-Semester Exam (IV semester) (2021-2023)

Paper –20 : SEMANTIC WEB

Date: 21.02.2022

Max Marks: 40
Time: 90 minutes

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

1. What is Semantic Web (SW)? Briefly, explain the reasons behind the vision of SW. [2+8]

2. Briefly, describe the usage of ontologies. Briefly, state the relationships between a taxonomy and an ontology. [6+4]

3. What is ontology? Briefly, discuss the various types of ontologies when the scope is object description. [2+8]

4. What is knowledge representation? Briefly, describe the essential features of a KR language. [2+8]

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