

**DISCLAIMER!**

Questions written from memory right after the exam. Question paper has to be returned with answers :(

- 1 Difference N-triples & TriG from Turtle (2p)
2. Four principles of Tim-Berners Lee's Linked data (4p)
3. a) Schema.org ja b) RDFa c) how to use together (3p)
4. What are the different query forms in SPARQL language: a) what is their purpose, b) what kind of information do they return? (4p)
5. following OWL concepts by example a) `owl:FunctionalProperty` b) `owl:TransitiveProperty` c) `owl:InverseFunctionalProperty` (3p)
- 6 OWL can be represented in RDF(S). List three other syntaxes that can be used to serialize OWL (3p)
- 7 What does the notion of Closed World Assumption (CWA) mean? How is this assumption used in a) OWL, b) database systems? How is CWA related to nonmonotonic reasoning? (4p)
- 8 How to prove by ???? that A follows from set of Horn logic P (?????) (2p)

*Points per question are somewhat right*