**JSS ACADEMY OF TECHNICAL EDUCATION NOIDA**

**ASSIGNMENT-4(2017-18)**

**Semantic Web & Web Services (NCS-088)**

**CS-1+2, 8th semester Submission date: 24/04/2018 Roll No:……………..**

CO1(439.1): Interpret the structure of the semantic web technology which revolutionizes the World Wide Web and its uses.

CO2(439.2): Illustrate the concepts of metadata, semantics of knowledge and resource with their descriptions in XML-based syntax and Resource Description Framework (RDF).

CO3(439.3): Define, model and design ontologies using Web Ontology Language (OWL)

**CO4(439.4): Define the role of search engines in intelligent retrieval of information on web with semantic web browsers.**

**CO5(439.5): Demonstrate logic of semantics and inference with OWL using monotonic and non-monotonic rules.**

Q1/CO4. Explain Role of search Engines in intelligent retrieval of information on web.

Q2/CO4. Why semantic is required in information retrieval?

Q3/CO4. Discuss semantic-based knowledge representation, acquisition, annotation and evaluation.

Q4/CO4. What are the types of semantics? Explain each with example.

Q5/CO4. How search engines works in information retrieval? Explain it with the help of diagram.

Q6/CO5. Differentiate Monotonic rules and Non- Monotonic rules.

Q7/CO5. Differentiate Rule Mark-up XML and XML.