



R18 Regulation

Subject code: 2E8FB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VIII Semester Supplementary Examinations, April 2024

Semantic Web & Social Networks
(Information Technology)

Maximum Marks: 70

Date:22.04.2024 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10X2M=20 Marks)

- 1 Define world wide web.
- 2 What are inference Engines?
- 3 Write the functions of Network.
- 4 Define OWL.
- 5 What is nonmonotonic rule.
- 6 How many ways inference rules can be expressed?
- 7 Relate today's web services and next generation of web services
- 8 Give a brief account on knowledge base.
- 9 Define Elmo.
- 10 What is web-based networks.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 A. Compare and Contrast today's web with next generation web. (5M)
B. Explain in detail about Semantic Road map. (5M)
OR
- 12 Discuss about Logic on the semantic Web. (10M)
- 13 Explain the following
a) OWL (5M) b)UML (5M)
OR
- 14 Compare and Contrast OWL with UML. (10M)
- 15 A. Explain in detail about inference engines. (5M)
B. Explain about Ontology mapping tools. (5M)
OR
- 16 Explain about RULE in detail. (10M)
- 17 Explain about web search agents in detail. (10M)
OR

- 18 A. Explain semantic search technology. (5M)
B. Explain Semantic web applications. (5M)
- 19 Explain about electronic discussion networks and blogs. (10M)
- OR
- 20 Explain about social network analysis in detail. (10M)