

Course : IV-B.Tech , I-SEM, Mid -I Branch : Information Technology(B)

**Subject:SW&SN Duaration : 1:30hr**

**Date :10/09/2024 Max.Marks :25**

**Part –A**

**I. Answer all the below questions each question carries two marks 5\*2=10**

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 1. What is machine intelligence? | **1** | **1** |
| 2. What are the objectives of sematic web architecture? | **1** | **1** |
| 3. List famous ontology development tools? | **1** | **1** |
| 4. Describe ontology libraries? | **1** | **2** |
| 5. What is descriptive logic? | **2** | **3** |

**Part –B**

**II. Answer any three questions from the following** **5\*3=15**

|  |  |  |  |
| --- | --- | --- | --- |
| **BTL** | | **CO** | |
| 6.a) List the Limitations of today’s web?  b) Explain about World Wide Web ?  **or**  7.a) Describe the sematic web road map?  b) Discuss about information age? | **1**  **1**  **1**  **6** | **1**  **1**  **1**  **1** | |
| 8) Explain basic elements of RDF language**?**  **or**  9) Give examples of ontology and OWL? | **1**      **1** | **2**  **2** |
| 10) Discuss about ontology methods, matching and mapping?  **or**  11) Explain sharing and merging? | **6**  **1** | **2**  **2** | |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | What is machine intelligence? | **2** | **2** |
| **2** | What are the objectives of sematic web architecture  Diagram | **1**  **1** | **2** |
| **3** | List famous ontology development tools | **2** | **2** |
| **4** | Describe ontology libraries | **2** | **2** |
| **5** | What is descriptive logic | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | 1. Explain how HTML limits the manipulation of information? 2. Explain about World Wide Web | **2.5**  **2.5** | **5** |
| **7** | 1. The sematic web road map   b) Discuss about information age | **2.5**  **2.5** | **5** |
| **8** | Explain basic elements of RDF language**?** | **5** | **5** |
| **9** | Give examples of ontology and  OWL | **2.5**  **2.5** | **5** |
| **10** | Discuss about ontology methods,  matching and mapping. | **2.5**  **2.5** | **5** |
| **11** | Explain sharing and  merging | **2.5**  **2.5** | **5** |