

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

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

**Date :13/11/2024 Max.Marks :25**

**Part –A**

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

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 1. Discuss about semantic bioinformatics. | **1** | **3** |
| 2. Explain about monotonic and non monotonic rules. | **1** | **3** |
| 3. Explain semantic methods to improve search result | **1** | **4** |
| 4.Describe XML- Based web services? | **1** | **4** |
| 5. Explain about GraphUtil.? | **1** | **5** |

**Part –B**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **BTL** | | **CO** | |
| 6.a) Explain about semantic search semantic bioinformatics  b) Explain in detail about logic, inference and rules  **or**   1. a)Explain about latent semantic index search.   b) What is social network analysis? Explain. | **1**  **1**  **6**  **6** | **1**  **1**  **1**  **1** | |
| 8. Discuss web based networks.  **or**  9) a) What is social network analysis?  b) Describe development of social network analysis | **6**  **1** | **2**  **2** |
| 10) Describe building Semantic Web application with social network features.  **or**  11) Discuss the following:  a) Sesame  b) Blogs and online communities | **1**  **6** | **2**  **2** | |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Discuss about semantic bioinformatics. | **2** | **2** |
| **2** | Explain about monotonic and non monotonic rules. | **2** | **2** |
| **3** | Explain semantic methods to improve search result | **2** | **2** |
| **4** | Describe XML- Based web services? | **2** | **2** |
| **5** | Explain about GraphUtil.? | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | a) Explain about semantic search semantic bioinformatics  b) Explain in detail about logic, inference and rules | **2.5**  **2.5** | **5** |
| **7** | a)Explain about latent semantic index search.  b) What is social network analysis? Explain. | **2.5**  **2.5** | **5** |
| **8** | Discuss web based networks. | **5** | **5** |
| **9** | a) What is social network analysis?  b) Describe development of social network analysis | **5** | **5** |
| **10** | Describe building Semantic Web application with social network features. | **5** | **5** |
| **11** | a) Sesame  b) Blogs and online communities | **2.5**  **2.5** | **5** |