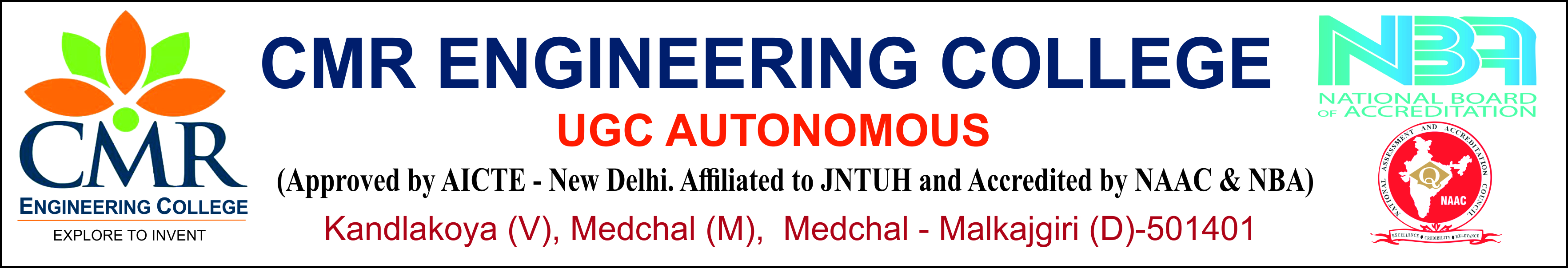
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**IV.B.TECH- I-SEM (R20)-I MID EXAMINATIONS-AUGUST-2023 Date: 29/08/2023**

**Subject: Semantic Web & Social Networks Time:10:00 TO 11:30 AM**

**Branch: IT-B Marks: 25 M**

***Answer All Questions In Part-A& Part-B***

**PART –A 5\*2=10 M**

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 1. Define artificial intelligence? | **1** | **1** |
| 2. What are the objectives of semantic web architecture? | **1** | **1** |
| 3. Explain in detail about ontology? | **1** | **1** |
| 4. Explain OWL capabilities and limitations | **1** | **2** |
| 5. What is descriptive logic? | **1** | **3** |

**PART –B 5\*3=15 M**

|  |  |  |  |
| --- | --- | --- | --- |
| **BTL** | | **CO** | |
| 6. a) Discuss about logic on the semantic web?  b) Explain about World Wide Web?  **OR**  7. a) Explain about ontology “spot” example?  b) Describe compatibility of OWL and RDF/RDFS | **6**  **1**  **1**  **1** | **1**  **1**  **1**  **2** | |
| 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. Discuss about ontology engineering and ontology development tools | **6**  **6** | **2**  **2** | |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Define artificial intelligence? | **2** | **2** |
| **2** | What are the objectives of semantic web architecture? | **2** | **2** |
| **3** | Explain in detail about ontology? | **2** | **2** |
| **4** | Explain OWL capabilities and limitations | **2** | **2** |
| **5** | What is descriptive logic? | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | a) Discuss about logic on the semantic web?  b) Explain about World Wide Web?  **OR** | **2.5**  **2.5** | **5** |
| **7** | a) Explain about ontology “spot” example?  b) Describe compatibility of OWL and RDF/RDFS | **2.5**  **2.5** |  |
| **8** | Explain basic elements of RDF language**?**  **OR** | **5** | **5** |
| **9** | Give examples of ontology and OWL | **5** |  |
| **10** | Discuss about ontology methods, matching and mapping.  **OR** | **5** | **5** |
| **11** | Discuss about ontology engineering and ontology development tools | **5** |  |