

Course: III-B.Tech/ II-SEM, Mid -I Branch : IT / SEC (A) SET - I

**Subject: IOT Duration: 1:30hr**

**Date: /03/2025 Max.Marks :30M**

**Part –A**

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

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 1) What are the Data Types in Python? | **1** | **3** |
| 2) How to Use a Python in IOT? | **1** | **3** |
| 3) Explain NFV Key Element. | **1** | **2** |
| 4) Explain need for IOT system Management. | **1** | **2** |
| 5) List and explain the Application of IoT for Environment. | **2** | **1** |

**Part –B**

**II. Answer any three questions from the following** **4\*5=20**

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 6) Discuss about the role of a Coordinator in Wireless Sensor Network?  7) Briefly Explain the IOT Protocols. | **6**  **1** | **1**  **1** |
| 8) Explain the IoT Levels and Deployment Templates**.**  9) Compare and Construct between the IOT and M2M . | **1**  **2** | **1**  **2** |
| 10) Describe how SDN can be used for various levels of IOT?  11) Elaborate the role of NETCONF server. | **1**  **6** | **2**  **3** |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | What are theData Types in Python | **2** | **2** |
| **2** | Use a Python in IOT | **2** | **2** |
| **3** | Explain NFV Key Element | **2** | **2** |
| **4** | Explain need for IOT system Management. | **2** | **2** |
| **5** | List and explain the Application of IoT for Environment | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | Discuss about the role of a Coordinator in Wireless Sensor Network | **5** | **5** |
| **7** | Explain the IOT Protocols. | **5** | **5** |
| **8** | Explain the IoT Levels  Deployment Templates**.** | **3**  **2** | **5** |
| **9** | Compare and Construct between the IOT and M2M | **5** | **5** |
| **10** | SDN can be used for various levels of IOT | **5** | **5** |
| **11** | The role of NETCONF server | **5** | **5** |