

**Date: 29-01-2021.**

**IV.B.TECH- II-SEM (R20)-I MID Examinations-January-2024 Date: 31/01/2024**

**Subject: IOT Protocols And Its Applications Time: 10:00 TO 11:30 AM**

**Branch: CSE, IT-A, CSM-C Marks: 25 M**

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

**PART-A 5x2M =10M**

1. Define IoT and its importance. . (CO1) [BTL1]
2. Explain about any two IoT Protocols. (CO1) [BTL2]
3. What does M2M refers to in IoT? (CO2) [BTL2]
4. Describe Network Function Virtualization technology in detail. (CO2) [BTL1]
5. Define basic building blocks of IoT architecture. (CO3) [BTL1]

**PART-B 3x5=15M**

1. What are the characteristics of IoT. (CO1) [BTL2]

**(OR)**

7. Explain about Transport layer in IoT in detail (CO1) [BTL2]

1. Differentiate between M2M and IoT. (CO2) [BTL2]

**(OR)**

1. With help of a diagram explain about the architecture of SDN. (CO2) [BTL2]

1. Explain about different layers in IoT architecture in detail. (CO3) [BTL2]

**(OR)**

11. Describe the role of sensors and actuators in IoT architecture. (CO3) [BTL2]

**SCHEME OF EVALUATION**

**Part –A**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| **1** | Define IoT and its importance. | **2** | **2** |
| **2** | Explain about Transport layer in IoT in detail | **2** | **2** |
| **3** | Differentiate between M2M and IoT. | **2** | **2** |
| **4** | Describe Network Function Virtualization technology in detail | **2** | **2** |
| **5** | Define basic building blocks of IoT architecture. | **2** | **2** |

**Part –B**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| **6** | Define basic building blocks of IoT architecture. | **5** | **5** |
| **7** | Explain about Transport layer in IoT in detail | **5** | **5** |
| **8** | Differentiate between M2M and IoT | **5** | **5** |
| **9** | With help of a diagram explain about the architecture of SDN. | **5** | **5** |
| **10** | Explain about different layers in IoT architecture in detail. | **5** | **5** |
| **11** | Describe the role of sensors and actuators in IoT architecture. | **5** | **5** |