

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

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

**Date: 08/05/2025 Max.Marks :30M**

**Part –A**

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

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 1) Explain Classes. | **2** | **3** |
| 2) What is Raspberry PI Interface? | **1** | **4** |
| 3) How to Connect the I2C in Hardware Modules? | **1** | **4** |
| 4) Defined a Model. | **5** | **5** |
| 5) Defined a Template. | **5** | **5** |

**Part –B**

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

|  |  |  |
| --- | --- | --- |
| **BTL** | | **CO** |
| 6) Discuss about the Control flow Statement in Python with example.  OR  7) Briefly Explain Python package of Interest for IOT. | **6**  **2** | **3**  **3** |
| 8) Explain the building blocks of an IoT Devices**.**  **OR**  9) Develop the Program in Raspberry PI with Python and Draw the neat Diagram. | **2**  **3** | **4**  **4** |
| 10) Explain the WAMP - AutoBahn for IoT.  **OR**  11) Elaborate the Amazon Web Services for IoT. | **2**  **6** | **5**  **5** |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Define a View. | **2** | **2** |
| **2** | Define the URL Patterns. | **2** | **2** |
| **3** | Explain Classes. | **2** | **2** |
| **4** | How to Connect the I2C in Hardware Modules? | **2** | **2** |
| **5** | What is Raspberry PI Interface? | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | Amazon Web Services for IoT. | **5** | **5** |
| **7** | Explain the Xively Cloud for IoT**.** | **5** | **5** |
| **8** | Explain Python package of Interest for IOT . | **5** | **5** |
| **9** | Control flow Statement in Python  Example. | **3**  **2** | **5** |
| **10** | Explain about the board. | **5** | **5** |
| **11** | Program in Raspberry PI with Python  Diagram. | **3**  **2** | **5** |