**A black and white logo

AI-generated content may be incorrect.**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**IV B. TECH I SEMESTER 2025-2026**

**A8227-IoT and It’s Applications**

**Diagnostic Test**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | **30/07/2025** |  | **Max. Marks: 25** |

| **#** | **Question** | **BL#** | **CO#** |
| --- | --- | --- | --- |
|  | Demonstrate how Oracle IoT architecture layers work together to manage data from edge devices to business applications. | L3 | CO1 |
|  | A packaging company must track the packaging handling that mainly involves tracking the vibration and uploading the same in real time. Considering the architecture needs, identify the IoT level and system components. | L3 | CO1 |
|  | An IoT system can be defined at different levels called tiers. A model enables the conceptualization of the framework. Depict the 7 levels of CISCO Architecture using a diagram or description. | L3 | CO1 |
|  | Explain how the Network Layer performs data routing in an IoT network by describing the process of directing data from one device to another. | L3 | CO1 |
|  | Describe how various Link Layer technologies can be applied to influence the connectivity, range, and performance of IoT devices in a network. | L2 | CO1 |

**Course Instructor HoD, EEE**