

[M19 IT 1105]

**I M. Tech I Semester (R19) Regular Examinations  
 INTERNET OF THINGS  
 (Information Technology)  
 MODEL QUESTION PAPER**

**TIME: 3 Hrs.**

**Max. Marks: 75 M**

**Answer ONE Question from EACH UNIT**

All questions carry equal marks

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|     |     |                                                                                 | CO  | KL  | M   |
|-----|-----|---------------------------------------------------------------------------------|-----|-----|-----|
|     |     | <b>UNIT - I</b>                                                                 |     |     |     |
| 1.  | a). | Compare Different types of IoT Architectures.                                   | CO1 | KL4 | 7.5 |
|     | b). | What are Functional Blocks of an IoT Eco System? Explain.                       | CO1 | KL5 | 7.5 |
|     |     | <b>OR</b>                                                                       |     |     |     |
| 2.  | a). | List different Enabling Technologies of IoT.                                    | CO1 | KL4 | 7.5 |
|     | b). | Evaluate different phases of Internet of Things.                                | CO1 | KL5 | 7.5 |
|     |     | <b>UNIT - II</b>                                                                |     |     |     |
| 3.  | a). | Examine Application Layer Protocols in IoT.                                     | CO2 | KL4 | 7.5 |
|     | b). | What is the Influence of Low Power and Lossy Networks over Rting                | CO2 | KL5 | 7.5 |
|     |     | <b>OR</b>                                                                       |     |     |     |
| 4.  | a). | What are Application Transport Methods? Explain.                                | CO2 | KL5 | 7.5 |
|     | b). | Distinguish Constrained Nodes and Constrained Networks                          | CO2 | KL4 | 7.5 |
|     |     | <b>UNIT - III</b>                                                               |     |     |     |
| 5.  | a). | Discuss abt System on Chips.                                                    | CO3 | KL6 | 7.5 |
|     | b). | Explain Interfaces and Raspberry Pi with Python Programming.                    | CO3 | KL5 | 7.5 |
|     |     | <b>OR</b>                                                                       |     |     |     |
| 6.  | a). | Discuss abt Design Methodology of IoT                                           | CO3 | KL6 | 7.5 |
|     | b). | What is the Influence of Microcontroller in IoT                                 | CO3 | KL5 | 7.5 |
|     |     | <b>UNIT - IV</b>                                                                |     |     |     |
| 7.  | a). | Differentiate Structured and Unstructured data, Data in Motion and Data in Rest | CO4 | KL4 | 7.5 |
|     | b). | Discuss Briefly abt Hadoop Eco-System.                                          | CO4 | KL6 | 7.5 |
|     |     | <b>OR</b>                                                                       |     |     |     |
| 8.  | a). | Explain abt Edge Streaming Analytics and Network Analytics.                     | CO4 | KL5 | 7.5 |
|     | b). | Compare Different types of Python Web Applications.                             | CO4 | KL4 | 7.5 |
|     |     | <b>UNIT - V</b>                                                                 |     |     |     |
| 9.  | a). | Discuss abt Converged Plant wide Ethernet Model (CPwE)                          | CO5 | KL6 | 7.5 |
|     | b). | Explain abt Smart Lighting, Smart Parking and Smart Traffic Control.            | CO5 | KL5 | 7.5 |
|     |     | <b>OR</b>                                                                       |     |     |     |
| 10. | a). | Briefly Discuss abt Power Utility Industry                                      | CO5 | KL6 | 7.5 |
|     | b). | Explain abt different IoT platforms                                             | CO5 | KL5 | 7.5 |