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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|----|
|    | OR                                                                                                                                                                     |          |   |    |
| 16 | Explain about Domain model specification.                                                                                                                              | 10M      | 3 | L2 |
| 17 | a) Discuss in detail about Arduino with neat sketch.<br>b) Explain the concepts involved in Raspberry Pi.                                                              | 5M<br>5M | 4 | L2 |
|    | OR                                                                                                                                                                     |          |   |    |
| 18 | a) Design an automatic lightening system with LDR, Light and raspberry pi and write a python program to support the working of that design<br>b) Explain OOP concepts. | 5M<br>5M | 4 | L2 |
| 19 | a) Design a weather monitoring IoT system using REST based?<br>b) Explain the purpose of smart parking in cities?                                                      | 5M<br>5M | 5 | L2 |
|    | OR                                                                                                                                                                     |          |   |    |
| 20 | a) What is the Difference between a Xively data stream and a channel?<br>b) Describe the architecture of Amazon Web Service for IoT.                                   | 5M<br>5M | 5 | L2 |