

R18

Code No: 157CD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, February/March - 2022

INTERNET OF THINGS

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) Explain the Physical Design of IoT.
- b) Discuss the Wireless Sensor Networks. [8+7]
- 2.a) Give a brief note on IoT communication models.
- b) Describe the IoT Communication APIs IoT enabled Technologies. [8+7]
3. With the help of a neat diagram, explain the M2M architecture. [15]
- 4.a) Difference between the SDN and NFV for IoT.
- b) Explain the network function virtualization. [8+7]
5. Write short notes on the following:
a) URLLib b) SMTPLib [8+7]
6. Describe the XML and HTTP Lib in detail. [15]
7. List and explain the interfaces are available with Raspberry Pi. [15]
- 8.a) Elaborate on the Amazon web services for IoT.
- b) Explain the Microsoft Azure IoT Hub. [8+7]

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