

Code No: 157CD

R18

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. [8+7]
b) Discuss the Wireless Sensor Networks.

2.a) Give a brief note on IoT communication models. [8+7]
b) Describe the IoT Communication APIs IoT enabled Technologies.

3. With the help of a neat diagram, explain the M2M architecture. [15]

4.a) Difference between the SDN and NFV for IoT. [8+7]
b) Explain the network function virtualization.

5. Write short notes on the following: [8+7]
a) URLLib b) SMTPLib

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. [8+7]
b) Explain the Microsoft Azure IoT Hub.

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