Code No: 137DQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, March - 2021
INTERNET OF THINGS
(Common to ECE, CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Define IoT. List and explain the characteristics of IoT.   [7+8]
  b) Discuss the IoT communication models.

2. Explain the following terms NETCONF, YANG, SNMP NETOPEER.   [15]

3.a) Write a Python program which will throw exception if the value entered by user is less than zero.   [7+8]
  b) Discuss about the data types in Python with examples.

4.a) Explain the IoT Physical Devices and Endpoints.   [7+8]
  b) Enumerate on Raspberry Pi interfaces.

5.a) Explain the Python web application framework.   [7+8]
  b) Illustrate the Cloud for IoT.

6.a) What is meant by big data analytics? List the advantages of the big data analytics.   [7+8]
  b) Explain the network function virtualization.

7.a) List and explain the basic building blocks of an IoT Device   [7+8]
  b) Write the difference between SDN and NFV for IoT.

8. Explain the following:
   a) HTTP Lib,
   b) URL Lib   [5+5+5]
   c) SMTP Lib

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