Code No: 844AX

R17

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA IV Semester Examinations, July/August - 2021
INTERNET OF THINGS

Time: 3 Hours   Max.Marks:75

Answer any five questions
All questions carry equal marks
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1.a)   Explain different components of IOT.
 b)   Illustrate designing of domain specific IOT for agriculture.   [8+7]

2.a)   Explain various levels of IOT in detail.
 b)   With a neat sketch, explain layered architecture of IOT.   [8+7]

3.a)   Discuss about software defined network.
 b)   Explain, how IOT system is managed with NETCONF.   [8+7]

4.a)   What is YANG? Explain it in detail.
 b)   Write the need of IOT system management.   [8+7]

5.   Explain the following with suitable examples in Python.
     a) Lists
     b) Tuples
     c) Dictionary   [5+5+5]

6.a)   Define a class and illustrate with an example in Python.
 b)   What is XML parsing? Explain how to parse XML file using Python library with
      example.   [7+8]

7.   Explain Raspberry Pi board with a neat sketch and write the purpose of each pin.   [15]

8.a)   List out and explain software tools for cloud storage.
 b)   Explain Designing frame work.   [8+7]

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