

R17**Code No: 844AX****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**

- 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]

---oo0oo---