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Code No: 824AX

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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