

R18

Code No: 156BJ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, August - 2022

**INTERNET OF THINGS
(Information Technology)**

Time: 3 Hours

Max.Marks:75

**Answer any five questions
All questions carry equal marks**

- 1.a) Describe IoT levels and deployment templates in detail.
b) Discuss about agriculture application of IoT. [10+5]
- 2.a) What are IoT communication models? Explain.
b) Explain about logistics application of IoT. [8+7]
- 3.a) Distinguish between IoT and M2M.
b) Describe YANG module for HAProxy configuration. [8+7]
- 4.a) Describe how NFV can be used for virtualizing IoT devices.
b) Explain about IoT systems management with NETCONF-YANG. [8+7]
5. Discuss in detail about functions, modules and packages in Python. [15]
6. Explain about JSON, XML, HTTPLib and URLLib in Python with respect to IoT. [15]
- 7.a) What are Raspberry Pi interfaces? Explain in detail.
b) Explain about controlling LED with Raspberry Pi. [8+7]
8. Explain the following:
a) Configuring database with Django
b) Cloud for IoT. [8+7]

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