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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, February/March - 2022
INTERNET OF THINGS
(Information Technology)

Time: 3 Hours   **Max. Marks: 75**

Answer any five questions
All questions carry equal marks
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1.a) Explain the logical design of IoT in detail.
  b) Summarize the various IoT enabled technologies.   [7+8]

2.a) Design the protocol layer of IoT and explain various protocols used in each layer.
  b) What is role of Cloud Computing and Big Data in Internet of Things? Explain.   [7+8]

3.a) What is Software Defined Network? Explain.
  b) Discuss in detail about SNMP NETOPEER.   [7+8]

4.a) Explain the IoT system management with YANG-NETCONF.
  b) What is network function virtualization? Discuss.   [7+8]

5.a) List different operators in Python, in the order of their precedence.
  b) Describe the different access modes of the files with an example.   [7+8]

6.a) Illustrate the different types of control flow statements available in Python with flowcharts.
  b) How exception handling is done in Python? Explain.   [8+7]

7.a) Describe the relative strengths and limitations of Building IOT with RASPBERRY PI.
  b) Summarize the IoT physical devices in detail.   [8+7]

8.a) Give overview of Cloud storage models in brief.
  b) Explain the process of designing a RESTful web API.   [7+8]

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