Code No: **R163205B**   **R16**   SET - 1

III B. Tech II Semester Regular/Supplementary Examinations, August-2021
INTERNET OF THINGS
(Computer Science and Engineering)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART –A   (14 Marks)

1. a) List the Components of an IoT System.   [2M]
   b) Write any two features of ZigBee.   [2M]
   c) Mention the merits of JSON Format.   [2M]
   d) What is 6LoWPAN? List any two features of 6LoWPAN.   [3M]
   e) Compare Data Generation and Data Acquisition.   [3M]
   f) Write about sensor network technology.   [2M]

PART –B   (56 Marks)

2. a) Discuss about any two significant applicationsof IoT.   [7M]
   b) Explain any three software and development tools of M2M.   [7M]

3. a) Describe the components of privacy model in data management.   [7M]
   b) Explain in detail about WLAN802.11 communication technology.   [7M]

4. a) Explain about Lightweight M2M communication protocol.   [7M]
   b) Write a brief note on HTTP request and response methods.   [7M]

5. a) Explain how FTP gives support for resource sharing?   [7M]
   b) Describe about the basic principles of Internet Connectivity.   [7M]

6. a) What do you mean by Business Process? Explain the set of activities   [7M]
      of Business Process.
   b) Write a detailed notes on Distributed Databases.   [7M]

7. a) Explain about IoT Cloud-based data collection using Xively.   [7M]
   b) Discuss about Virtualization concept in cloud computing.   [7M]

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