

III B. Tech II Semester Supplementary Examinations, February-2022

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)**

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| 1. | a) | What is API? | [2M] |
| | b) | Define CoRE. | [2M] |
| | c) | What is the advantage of X.509? | [2M] |
| | d) | What is the use of DHCP? | [3M] |
| | e) | Define data acquisition. | [3M] |
| | f) | Define actuator. | [2M] |

PART -B**(56 Marks)**

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| 2. | a) | Who is making the IoT? Explain in detail. | [7M] |
| | b) | Describe the flavor of IoT in detail. | [7M] |
| 3. | a) | What are differences between IoT and M2M? Explain. | [7M] |
| | b) | Explain about ETSI M2M domains and high-level capabilities. | [7M] |
| 4. | a) | Discuss in detail about Constrained Application Protocol. | [7M] |
| | b) | Explain about MQTT protocol in detail. | [7M] |
| 5. | a) | Give an overview of Internet communications. | [7M] |
| | b) | What are HTTP ports? Explain. | [7M] |
| 6. | a) | Explain about IOT/M2M data acquiring and storage. | [7M] |
| | b) | Why is the business model for? Explain in detail. | [7M] |
| 7. | a) | Explain about participatory sensing, industrial IoT and automotive IoT. | [7M] |
| | b) | Describe cloud computing paradigm for data collection, storage and computing. | [7M] |

