



**SEVENTH SEMESTER BTECH. (E & C) DEGREE END SEMESTER EXAMINATION**

**DECEMBER 2021-JANUARY 2022**

**SUBJECT: INTERNET OF THINGS (ECE-4054)**

**TIME: 75 MINUTES**

**MAX. MARKS: 20**

**Instructions to candidates**

- Answer **ALL** questions.
- Missing data may be suitably assumed.

Q. No.	Questions	Marks
1A.	When Fog computing is essential in IoT? Using necessary diagrams, explain the functioning of Fog and the way it deals with different time-sensitive data.	4
1B.	What is Big data? Explain its characteristics in detail.	4
1C.	Describe the features of CoAP.	2
2A.	Identify any FIVE techniques for performing quantitative analysis in Data analytics and explain them.	4
2B.	Compare the features of smart grid and a traditional electrical grid. Also, mention the benefits of using smart grid for customers and stakeholders.	4
2C.	Draw the architecture of sensor cloud and explain it.	2