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**Presidency University**

**Bengaluru**

**SCHOOL OF ENGINEERING**

**MAKE UP EXAMINATION – SEPTEMBER 2023**

**Course Code**: CSE220

**Course Name**: Internet of Things

**Program**: B.Tech CSE

**Date**: 01.10.2023

**Time**: 9.30 AM to 12.30 PM

**Max Marks**: 100

**Weightage**: 50%

**Instructions:**

1. *Part A, answer any three questions*
2. *Part B, answer any one question*

**Part A**

**Answer any three questions each carries FIFTEEN Marks (4Qx15M= 60M)**

1. Describe logical design of IOT and any two communication models. (CO 1, Knowledge)
2. Explain in detailed the general block diagram of IOT devices. (CO 1, Comprehension)
3. Write about the features, connection modes and protocol stack of bluetooth.

(CO 3, Application)

1. Discuss of any 5 IOT protocols, which belongs to application layer transport layer or network layer or link layer. (CO 2 Comprehension)

**Part B**

**Write and execute any one question each carries TWENTY Marks (2Qx20M=40M)**

1. Arduino program to demonstrate usage of push button to control the LED.
2. Arduino program to demonstrate traffic control system.