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MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS
EXAMINATION : DECEMBER -2022

SEMESTER -III

Sub: Internet of Things (MSC -304 -19)

Date : 15/12/2022	Total Marks : 60	Time: 10.00 am to 12.30 pm

Instruction:
1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. **Answer the following in 2-3 lines. (Any 5)** **(10)**

1. What is RFID?

2. Define wireless technology ?

3. Explain connectivity technology Bluetooth.

4. What is Mobile cloud computing?

5. Define Public & Private Cloud?

6. Explain term M2M communication.

7. Explain structural aspect of IoT?

Q. 2. **Answer the following in short. (Any 4)** **(20)**

1. Explain Amazon web service for IoT.

2. Explain Security requirement for Iot.

3. Explain characteristics of IoT.

4. What is HART? How it is applicable to IoT?

5. Explain cloud of things architecture

6. What is actuators give tow examples of actuator.

Q. 3. **Answer the following in detail. (Any 3)** **(30)**

1. Define term IoT with example.

2. What is sensing ?Explain the types of sensors?

3. Explain the basic structure of Arduino Programing .

4. Write down arduino program for blinding the LED

5. Explain Vulnerabilities of IoT.