

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**M.Sc.(IT) (Sem.-4)**  
**IOT AND ITS APPLICATIONS**

**Subject Code : PGCA1943**

**M.Code : 79567**

**Date of Examination : 04-01-2023**

**Time : 3 Hrs.**

**Max. Marks : 70**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION - B & C have FOUR questions each.**
3. **Attempt any FIVE questions from SECTION B & C carrying TEN marks each.**
4. **Select atleast TWO questions from SECTION - B & C.**

## SECTION-A

1. **Write short notes on :**
  - a. What is sensing in IoT?
  - b. Define Cloud Computing.
  - c. What is the use of ZigBee?
  - d. What are basics of Python?
  - e. Define XaaS.
  - f. Write about M2M in IoT.
  - g. What are the I/O interfaces?
  - h. What is the use of UDP?
  - i. Discuss data acquisition.
  - j. What is authentication of devices?

## **SECTION-B**

2. Give the design principle of IoT.
3. What is importance of data management in IoT?
4. What is Arduino? Write **any one** use of it?
5. Discuss the different program API's needed in IoT.

## **SECTION-C**

6. Explain the solution framework for IoT applications.
7. Write some security issues of IoT Technologies.
8. How unstructured data storage is performed on cloud servers?
9. Give the brief introduction of applications of IoT in Healthcare sector.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**