Total No. of Questions : 07

B.Sc.(IT)   (Sem.–6th)

INTERNET OF THINGS

Subject Code : UGCA-1933
M.Code : 91731
Date of Examination: 04-01-2023

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
 1.   **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
 2.   **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

 1.   **Write briefly :**

 a)   What is the need of IOT?

 b)   Define wireless sensor networks.

 c)   What is Big Data Analytics?

 d)   Name four different IoT platforms.

 e)   What is M2M communication?

 f)   What are the interfaces in Raspberry?

 g)   List Network Operator Requirements.

 h)   What is IoT Security?

 i)   What is NETCONF in IoT?

 j)   How Internet of Things devices are managed?

SECTION-B

2. Explain in detail the architecture of IoT with neat diagram.

3. Write a note on Simple Network Management Protocol along with its limitations.

4. Explain in detail applications of Internet of Things in City Automation and in Agriculture.

5. Write and explain the steps used in IoT design methodology.

6. Construct the design of Smart home with Raspberry Pi and other hardware devices with neat sketch.

7. Write a note on cloud storage models and communication APIs in IoT.

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.