Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Computer Engg.) (Sem.–6)
INTERNET OF THINGS
Subject Code : BTCS608-18
M.Code : 92047
Date of Examination : 26-05-23

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

   a) What is design principle of IoT?

   b) Name any one software used in IoT.

   c) What are gateways?

   d) Define XaaS.

   e) What is M2M technology?

   f) Write use of sensors.

   g) Write principle of Bluetooth.

   h) Discuss TCP protocol.

   i) What are cloud servers?

   j) What is authentication of devices?

SECTION-B

2. Discuss the role of I/O interfaces in IoT functioning.

3. What is Arduino? Write any one use of it.

4. How Phython can be used as API Programming in IoT?

5. How ZigBee communication protocol works on IoT devices?

6. What is meant by security aspects in IoT?

SECTION-C

7. Discuss in brief the business processes in IoT. How it can be improved?

8. Explain the use of data acquisition and integration in IoT.

9. Give the brief introduction of applications of IoT in Agriculture sector.

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