Roll No. [ ]

Total No. of Questions : 07

Total No. of Pages : 02

BCA (Sem.–5)

INTERNET OF THINGS

Subject Code : UGCA1933

M.Code : 90316

Date of Examination : 29-11-2024

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 role of an IoT system in today's era?

   b. Define CoAP.

   c. What do you mean by REST?

   d. What is the significance of Exclusive pair in IOT communication model?

   e. How IoT solutions are helpful in health care system?

   f. Explain network function virtualization in brief.

   g. Define term API.

   h. Define term embedded system.

   i. What do you mean by term M2M?

   j. IoT solutions are self-configuring, what is the meaning of term self-configuring here?

SECTION-B

2. Explain the Raspberry PI platform and its role in IoT applications.

3. What do you mean by IoT enabled technologies? Explain IoT enabled technologies in detail.

4. Explain domain specific- Retail and Logistics.

5. Explain Physical Design of IoT in detail.

6. Explain IoT design methodology in detail with suitable examples.

7. What do you mean by security management? Explain, how security management is important and necessary in an IoT system?

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.