Roll No. ☐☐☐☐☐☐☐☐☐☐☐          Total No. of Pages : 01

Total No. of Questions : 8

## M.Tech. (ECE) (2018 Batch) (Sem.–2)
## INTERNET OF THINGS
### Subject Code : MTEC-PE3B-18
### M.Code : 76262

Time : 3 Hrs.                                                    Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

### SECTION-A

1. Explain applications of Internet of Things in Smart home and Smart Cities automation in detail.

2. Explain the concept of SDN and FOG computing with the help of suitable diagrams. Also, differentiate between IPV4 and IPV6 in detail.

3. Explain the Architecture and components of Internet of things in detail.

4. What is RIoT? How Bigdata analytics with IoT is useful in different business and research opportunities?

5. Explain relationship between WSN and IoT with suitable diagram.

6. Write short notes on :

   a) Security and Privacy for IoT

   b) Contiki Operating Systems

   c) Edge Computing

7. How resource polling and caching is done in Wireless Sensor Networks? Explain with suitable diagram.

8. Explain how human life can be transformed using technologies like IoT, Bigdata Analytics and Cloud Computing?

**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.**