M.Tech. (CSE Engg.) (2018 Batch E-I)   (Sem.–1)
WIRELESS SENSOR NETWORKS
Subject Code : MTCS-106-18
M.Code : 75156

Time : 3 Hrs.   Max. Marks : 60

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

1. Answer the following :

   a. Define sensors? How are they classified? Give examples.

   b. Explain overall architecture of Wireless Sensor Networks.

2. What are the typical challenges in Wireless Sensor Networks (WSN)? Explain.

3. Answer the following :

   a. How are Wireless Sensor Networks different from traditional networks?

   b. Difference between frequency domain and time domain features.

4. Answer the following :

   a. General MAC protocols can result in a waste of energy in WSNs. How?

   b. Classify the routing protocols for Wireless Sensor Networks.

5. How can you evaluate wireless sensor networks?

6. What are the possible attacks possible in WSNs? What are the counter measures?

7. Explain flooding and its variants in WSNs.

8. What is the feasibility of using TCP or UDP for WSNs? Explain your answer in detail.