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

Total No. of Questions : 08

M.Tech.(IT) (E3)(2015 & Onwards)   (Sem.–3)
# WIRELESS SENSOR NETWORKS
Subject Code : MTIT-302
M.Code : 74153

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTION TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

Ql. (a) Explain the different applications of Wireless Sensor networks.

(b) Discuss the Challenges for WSNs.

Q2. Explain the following with the help of a diagram :

(a) WSN to Internet communication.

(b) Internet to WSN communication.

Q3. Explain the fixed assignment protocols, demand assignment protocols and random access protocols.

Q4. Explain the Energy Efficient Routing.

Q5. Explain the Clustering Algorithms in detail.

Q6. Explain the Connectivity in a multi-hop network.

Q7. What is the use of Berkeley motes?

Q8. Write comments on :

(a) Node level Simulators.

(b) Node level software platform.

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.