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29/11/2022 (174)
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Computer Science and Engineering Department
National Institute of Technology, Hamirpur (H.P.)

Full Term Examination

Course Name: Wireless Sensor Networks

Time: 3 hrs.

Course Code: CS-451

Max Marks: 50

Note: Attempt all questions.

Q.1 Explain the following:

5*4 = 20

- i. Radio Jamming.
- ii. Authenticity.
- iii. Idle Listening.
- iv. Symmetric Management.
- v. FullFlood and directed diffusion.

marks

Q.2 Explain the following:

4*2.5 = 10

- i. Deterministic and Non-deterministic network.
- ii. Self-Reconfiguration and Non- Self-Reconfiguration network.
- iii. LEACH.
- iv. PEGASIS.

marks

Q.3 i. What objectives or factors must be considered while designing a MAC Protocol? 2*5 = 10

marks

ii. What are the unique characteristics of WSN?

Q.4 i.Explain Geographic Adaptive fidelity.

2*5 = 10

ii. Explain Geographic and Energy-Aware Routing.

marks

*****All the Best*****