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Department of Information Science & Engineering

Question Bank

1. Define IoT. What are the key components of an IoT system?
2. Explain the concept of M2M (Machine to Machine) communication. How is it different from IoT?
3. Explain the IPv6 address format in IoT.
4. Explain the service plane of IoT.
5. Diffrentiate between the following: 6. 1.Transduser 2. Sensor 3.Actuators
7. Give three fundamental properties of Sensor Characterization.
8. What is the significance of sensors and actuators in IoT? Provide examples of each in real-world IoT applications.
9. Explain functional blocks of sensor node in IoT.
10. Explain the sequence of technological developments of Modern day IoT.
11. What is edge computing, and how does it improve IoT systems? Compare edge computing and cloud computing in the context of IoT, and provide examples where edge computing is preferable.
12. Explain IoT Networking Components.
13. Explain four different categories of sensors.
14. Explain sensor classification based on the following; 1.Power Requirement 2. Sensor Output 3. Measured Property
15. How is mobility handled in IoT? Explain with suitable diagrams
16. Discuss the challenges of IoT in terms of data security and privacy. How can these challenges be mitigated?
17. Explain address management Classes in IoT.
18. Sensor Application.(Temperature Sensor)
19. Differentiate Between IoT and WoT.
20. Differentiate Between IoT proxy and IoT gateway.
21. What is Tunneling? Explain multihoming in IoT networks.