

Compiled List of Questions from IoT Exams

Set 1: IOT mid sem 25_1.jpg

1. **Define Scalability in IoT. Explain grand challenges in IoT Scalability.** (Mid Sem 25-26, Sem 23-24, Sem 22-23)
 2. **What are the Security issues in developing the IoT applications?** (Mid Sem 25-26, Sem 23-24, Sem 22-23)
 3. **Illustrate 4 tier IoT architectures with illustrations.** (Mid Sem 25-26, Sem 23-24, Sem 22-23)
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Set 2: IOT 22-23.jpg

1. (a) Define and explain the genesis of IoT. (Sem 22-23, Mid Sem 24, Sem 23-24)
(b) Discuss the important components of IoT. (Sem 22-23)
 2. (a) Define Scalability in IoT. Explain grand challenges in IoT Scalability. (Sem 22-23, Mid Sem 25-26, Sem 23-24)
(b) Explain the Privacy and Security issues in IoT. (Sem 22-23, Mid Sem 25-26, Sem 23-24)
 3. (a) Illustrate IoT architectures with important key features. (Sem 22-23, Mid Sem 25-26, Sem 23-24)
(b) Explain network analytics and its scope in different domains. (Sem 22-23, Sem 23-24)
 4. (a) Discuss different layers of IoT protocols with illustrations. (Sem 22-23)
(b) Discuss the casestudies of IoT in Oil and Gas with illustrations. (Sem 22-23)
 5. **Write any two important simulator tools used in IoT environment with its key features and configuration.** (Sem 22-23, Sem 23-24)
 6. Write notes on any two of the followings:
 - a. IoT Compute Stack (Sem 22-23, Sem 23-24)
 - b. IP as the IoT Network Layer. (Sem 22-23)
 - c. Machine learning for IoT. (Sem 22-23)
 - d. IoT Data Analytics. (Sem 22-23)
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Set 3: IOT mid sem 24.png

1. Define IoT with suitable examples. What are the IoT issues and challenges in this domain? (Mid Sem 24)
 2. Discuss IoT Gateways and its functionalities. (Mid Sem 24)
 3. **Explain Edge computing and Edge Analytics with suitable examples.** (Mid Sem 24, Sem 23-24, Sem 22-23)
 4. **Discuss the genesis of IoT with illustrations.** (Mid Sem 24, Sem 22-23, Sem 23-24)
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Set 4: IOT 23-24.jpg

1. (a) Define IoT in terms of IEEE standards. (Sem 23-24)
(b) Discuss the historical background of IoT with illustrations. (Sem 23-24, Mid Sem 24, Sem 22-23)
2. (a) Define Scalability in IoT. Explain grand challenges in IoT Scalability. (Sem 23-24, Mid Sem 25-26, Sem 22-23)
(b) What are the Security issues in developing the IoT applications? (Sem 23-24, Mid Sem 25-26, Sem 22-23)
3. (a) Illustrate 4 tier IoT architectures with illustrations. (Sem 23-24, Mid Sem 25-26, Sem 22-23)
(b) Explain network analytics with its important key features. (Sem 23-24, Sem 22-23)
4. (a) Define sensors and actuators. Explain any five sensors and actuators with their applications. (Sem 23-24)
(b) Discuss the case studies of IoT in home appliances with illustrations. (Sem 23-24)
5. (a) Explain IoT simulators and operating systems with its key features. (Sem 23-24, Sem 22-23)
(b) Explain Edge computing and Edge Analytics and its environment. (Sem 23-24, Mid Sem 24, Sem 22-23)
6. Write notes on any two of the followings:
 - a. IoT Compute Stack (Sem 23-24, Sem 22-23)
 - b. Smart Objects. (Sem 23-24)
 - c. MEMS. (Sem 23-24)
 - d. IoT for health care systems. (Sem 23-24)