

1. Which of the following is the formal definition of IoT according to the Oxford Dictionary (Jan 2020)?

- A) A network of traditional objects with sensors and software that communicate via the internet.
- B) The connection of devices within everyday objects via the internet, enabling them to share data.
- C) Direct communication between devices using wired or wireless channels.
- D) Environments responsive to human presence.

****Answer:** B) The connection of devices within everyday objects via the internet, enabling them to share data.**

2. What does the IoT equation "Physical Object + Controller, Sensor and Actuator + Internet" represent?

- A) Ambient Intelligence (AmI)
- B) Machine-to-Machine (M2M)
- C) Internet of Things (IoT)
- D) Cloud Computing

****Answer:** C) Internet of Things (IoT)**

3. Which IoT level involves a single node that stores and analyzes data in the cloud, with computation and communication capabilities?

- A) Level-1
- B) Level-2
- C) Level-3
- D) Level-5

****Answer:** C) Level-3**

4. What is a key difference between IoT and traditional networks regarding content creation? (Medium)

- A) IoT content is created by humans; traditional networks use machines.
- B) IoT content is created by machines; traditional networks use humans.
- C) Both rely on human-generated content.
- D) IoT uses explicit links, while traditional networks use operations.

****Answer:** B) IoT content is created by machines; traditional networks use humans.**

5. Which concept refers to "electronic environments sensitive and responsive to human presence"?

- A) Machine-to-Machine (M2M)
- B) Digital Twin
- C) Ambient Intelligence (AmI)
- D) Wireless Sensor Network

****Answer:** C) Ambient Intelligence (AmI)**

6. Which IoT characteristic ensures that devices operate with minimal human intervention? (Easy)

- A) Scalability
- B) Long battery lifetime
- C) Minimal human intervention
- D) Secure communication

****Answer:** C) Minimal human intervention**

7. Which IoT application domain includes "sensors checking soil moisture and temperature"? (Hard)

- A) Healthcare
- B) Agriculture
- C) Transportation
- D) Energy Management

****Answer:** B) Agriculture**

8. Which communication protocol is NOT listed as part of IoT components in the text? (Hard)**

- A) ZigBee
- B) 5G
- C) Bluetooth
- D) RFID

****Answer:** B) 5G**

9. A level-5 IoT system is most suitable for which scenario? (Hard)**

- A) Single-node analysis with low computational needs
- B) Wireless sensor networks with intensive data analysis
- C) Independent nodes communicating directly with the cloud
- D) Local analysis combined with cloud storage

****Answer:** B) Wireless sensor networks with intensive data analysis**

10. What does the "4S Rule" in IoT emphasize? (Medium)**

- A) Speed, Storage, Security, Scalability
- B) Simple, Secure, Smart, Scalable
- C) Sensors, Software, Systems, Security
- D) Stability, Safety, Simplicity, Speed

****Answer:** B) Simple, Secure, Smart, Scalable**
