

1. Which of the following is a formal definition of IoT provided by the Oxford Dictionary (Jan 2022)?

- A) A network of home/office objects with sensors and software for communication
- B) The connection of devices within everyday objects via the internet, enabling data sharing
- C) Direct communication between devices using wired or wireless channels
- D) Systems that simulate real-time sensor data for performance improvement

****Answer:** B) The connection of devices within everyday objects via the internet, enabling data sharing**

2. What distinguishes IoT from traditional networks in terms of content creation? (Medium)**

- A) Content is created by humans in IoT
- B) Content is created by machines in IoT
- C) Content is consumed by request in IoT
- D) Content is linked explicitly in IoT

****Answer:** B) Content is created by machines in IoT**

3. Which IoT level involves a coordinator node that collects data from end nodes and sends it to the cloud? (Easy)**

- A) Level-1
- B) Level-3
- C) Level-5
- D) Level-6

****Answer:** C) Level-5**

4. Which of the following is NOT part of the IoT 4S rule? (Easy)**

- A) Simple
- B) Secure
- C) Scalable
- D) Speed

****Answer:** D) Speed**

5. What is the primary purpose of a "digital twin" in IoT applications? (Hard)**

- A) To replace physical systems entirely
- B) To simulate real-time sensor data and generate performance recommendations
- C) To encrypt data transmitted between devices
- D) To act as a backup for cloud storage

****Answer:** B) To simulate real-time sensor data and generate performance recommendations**

6. Which communication protocol is NOT typically associated with IoT? (Medium)**

- A) ZigBee
- B) Bluetooth
- C) HTTP
- D) RFID

****Answer:** C) HTTP**

7. Which IoT level is suitable for solutions requiring computationally intensive cloud analysis? (Hard)

- A) Level-1
- B) Level-3
- C) Level-5
- D) Level-6

****Answer:** B) Level-3**

8. What does M2M (Machine-to-Machine) refer to? (Easy)**

- A) Direct communication between devices using any channel
- B) Human interaction with IoT devices
- C) Cloud-based data storage
- D) A type of wireless sensor network

****Answer:** A) Direct communication between devices using any channel**

9. Which application domain of IoT includes "intelligent traffic control systems" and "RFID tags for asset tracking"? (Easy)

- A) Healthcare
- B) Environmental Monitoring
- C) Transportation
- D) Energy Management

****Answer:** C) Transportation**

10. What is a key characteristic of IoT devices mentioned in the text? (Easy)**

- A) High human intervention during operation
- B) Short battery lifetime
- C) Minimal human intervention during operation
- D) Dependency on wired communication only

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