

1. What components make up the IoT equation "Physical Object + Controller, Sensor and Actuator"

- A) Traditional networking
- B) Internet of Things (IoT)
- C) Cloud computing
- D) Ambient Intelligence (Aml)

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

2. Which definition of IoT is provided by the Oxford Dictionary? (Easy)**

- A) A network of everyday objects that communicate via the internet with human interaction.
- B) A system using wireless sensor networks to monitor environments.
- C) The connection of devices within everyday objects via the internet, enabling them to share data.
- D) Direct machine-to-machine communication using wired protocols.

****Answer:** C) The connection of devices within everyday objects via the internet, enabling them to**

3. What is a key difference between IoT and the Traditional Internet regarding content creation? (M

- A) IoT content is created by humans.
- B) IoT content is created by machines.
- C) Traditional Internet content is consumed by request.
- D) IoT content requires explicit links for combination.

****Answer:** B) IoT content is created by machines.**

4. Which of the following is NOT listed as an IoT communication protocol? (Medium)**

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

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

5. What is a defining feature of "Digital Twins" in IoT? (Medium)**

- A) A digital simulation that mimics physical systems in real time.
- B) Sensors that monitor soil moisture in agriculture.
- C) Autonomous vehicle communication protocols.
- D) Cloud-based data storage for logistics.

****Answer:** A) A digital simulation that mimics physical systems in real time.**

6. Which IoT level involves multiple nodes and a coordinator that relays data to the cloud? (Hard)**

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

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

7. Which IoT level is suitable for scenarios involving computationally intensive data analysis? (Hard)

- A) Level-2 (local analysis only)
- B) Level-3 (cloud-based analysis)
- C) Level-4 (multiple analyzing nodes)
- D) Level-6 (independent cloud communication)

****Answer:** B) Level-3 (cloud-based analysis)**

8. Which concept refers to environments that adapt to human presence? (Easy)**

- A) M2M
- B) Ambient Intelligence (Aml)
- C) RFID
- D) Digital Twin

****Answer:** B) Ambient Intelligence (Aml)**

9. Which of the following represents the "4S Rule" for IoT systems? (Medium)**

- A) Simple, Secure, Smart, Scalable
- B) Secure, Stable, Sustainable, Scalable
- C) Sensors, Systems, Scalability, Security
- D) Speed, Safety, Scalability, Simplicity

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

10. Which application domain is directly associated with "RFID tags communication"? (Hard)**

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

****Answer:** D) Transportation**