#1. In IoT, what does LPWAN stand for?

☐
Low-Power Wide Area Network
☐
Long-Range Personal Wireless Area Network
☐
Local Personal Wide Area Network
☐
Low-Range Personal Wireless Area Network
☐
Low-Power Personal Wireless Area Network

#2. Which of the following is an example of an IoT application in the automotive industry?

☐
Vehicle tracking
☐
Cooking
☐
Social networking
☐
Weather forecasting
☐
Fitness tracking

#3. Which wireless technology is commonly used for communication between IoT devices and smartphones?

☐
Bluetooth
☐

Wi-Fi
☐
NFC (Near Field Communication)
☐
Zigbee
☐
LoRa

#4. What is the primary function of a gateway in an IoT network?

☐
Aggregating and forwarding data
☐
Processing data near the source
☐
Controlling actuators
☐
Displaying information
☐
Collecting data from the environment

#5. Which of the following is a challenge in implementing IoT in industrial settings?

☐
Legacy system integration
☐
Limited data generation
☐
Low security concerns
☐
Low scalability
☐
High cost of sensors

#6. What is the purpose of a protocol in IoT communication?

☐
To define rules for data exchange
☐
To store data
☐
To process data
☐
To display information
☐
To collect data from the environment

#7. Which IoT technology is commonly used for indoor positioning and asset tracking?

☐
Bluetooth Low Energy (BLE)
☐
GPS
☐
NFC (Near Field Communication)
☐
LoRa
☐
Zigbee

#8. What is the main purpose of a Digital Twin in IoT?

☐
A virtual representation of a physical object or system
☐
To store data
☐
To process data

☐
To display information
☐
To provide power

#9. Which type of sensors in IoT devices is used to detect the presence or absence of an object or material?

☐
Proximity sensor
☐
Temperature sensor
☐
Pressure sensor
☐
Light sensor
☐
Motion sensor

#10. What does BLE stand for in the context of IoT communication?

☐
Bluetooth Low Energy
☐
Basic Low Energy
☐
Bluetooth Limited Energy
☐
Basic Limited Energy
☐
Bluetooth Long Energy

#11. Which wireless technology is commonly used for communication between IoT devices and smart meters?

☐
Zigbee
☐
LoRa
☐
Wi-Fi
☐
Bluetooth
☐
LTE-M

#12. In IoT, what does “M2M” stand for?

☐
Machine-to-Machine
☐
Made-to-Model
☐
Mobile-to-Mobile
☐
Message-to-Message
☐
Music-to-Music

#13. What does the term “Fog Computing” refer to in IoT?

☐
Extending cloud capabilities to the edge
☐
Processing data near the source
☐
Cloud-based computing
☐
Offline computing

☐
Centralized computing

#14. Which wireless technology is commonly used for communication between IoT devices in a home automation system?

☐
Zigbee
☐
LoRa
☐
Wi-Fi
☐
Bluetooth
☐
LTE-M

#15. What is the main advantage of using MQTT as an IoT communication protocol?

☐
Low bandwidth and power requirements
☐
High latency
☐
Low scalability
☐
High power consumption
☐
High bandwidth requirements

#16. Which type of communication model is typically used in IoT systems for one-to-many broadcasting of data?

☐
Publish-Subscribe

☐
Request-Response
☐
Point-to-Point
☐
Peer-to-Peer
☐
Client-Server

#17. Which of the following is an example of a wearable IoT device?

☐
Fitness tracker
☐
Smart refrigerator
☐
Smart TV
☐
Smart home thermostat
☐
Smart doorbell

#18. What is the main purpose of an ADC (Analog-to-Digital Converter) in an IoT device?

☐
To convert analog signals to digital
☐
To convert digital signals to analog
☐
To process data
☐
To display information
☐
To provide power

#19. Which IoT communication protocol is commonly used for lightweight and low-power applications in constrained environments?

☐
CoAP
☐
MQTT
☐
HTTP
☐
LoRa
☐
Zigbee

#20. Which of the following is an example of an IoT application in environmental monitoring?

☐
Air quality monitoring
☐
Cooking
☐
Social networking
☐
Music production
☐
Interior decoration

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Results