#1. What is the purpose of a Power Supply Unit (PSU) in an IoT device?

☐

To provide electrical power to the device

☐

To process data

☐

To collect data from the environment

☐

To display information

☐

To store data

#2. Which IoT protocol is designed for efficient and secure communication in industrial automation applications?

☐

OPC UA (Unified Architecture)

☐

BACnet

☐

Modbus

☐

DNP3 (Distributed Network Protocol 3)

☐

EtherNet/IP

#3. What is the main function of an EEPROM (Electrically Erasable Programmable Read-Only Memory) in an IoT device?

☐

To store non-volatile data

☐

To process data

☐

To display information

☐

To collect data from the environment

☐

To provide power

#4. In IoT, what is the purpose of a Real-Time Clock (RTC) module?

☐

To keep track of time even when the device is powered off

☐

To process data

☐

To display information

☐

To store data

☐

To collect data from the environment

#5. Which of the following is an example of an IoT application in energy management?

☐

Smart grid management

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#6. What is the primary function of an EEPROM (Electrically Erasable Programmable Read-Only Memory) in an IoT device?

☐
To store non-volatile data

☐
To process data

☐
To display information

☐
To collect data from the environment

☐
To provide power

#7. Which IoT protocol is commonly used for communication between sensors and actuators in industrial automation systems?

☐
Modbus

☐
OPC UA (Unified Architecture)

☐
BACnet

☐
DNP3 (Distributed Network Protocol 3)

☐
EtherNet/IP

#8. What does the term "Digital Thread" refer to in IoT?

☐
A digital representation of a physical object's lifecycle

☐
To store data

☐
To process data

☐
To display information

☐
To provide power

#9. Which wireless technology is commonly used for long-range communication in IoT applications?

☐
LoRa

☐
Zigbee

☐
Bluetooth

☐
Wi-Fi

☐
NFC (Near Field Communication)

#10. What is the primary function of a BLE (Bluetooth Low Energy) module in an IoT device?

☐
Low-power wireless communication

☐
To store data

☐
To process data

☐
To display information

☐
To collect data from the environment

#11. Which IoT protocol is commonly used for communication between devices in a building automation system?

☐
BACnet

☐
OPC UA (Unified Architecture)

☐
Modbus

☐
DNP3 (Distributed Network Protocol 3)

☐
EtherNet/IP

#12. What is the main purpose of a Hall Effect sensor in an IoT device?

☐
To measure magnetic fields

☐
To process data

☐
To display information

☐
To collect data from the environment

☐
To provide power

#13. Which of the following is an example of an IoT application in smart agriculture?

☐
Crop monitoring

☐
Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#14. What is the purpose of a watchdog timer in an IoT device?

☐

To reset the device in case of a malfunction

☐

To process data

☐

To display information

☐

To store data

☐

To collect data from the environment

#15. In IoT, what is the purpose of a Reed Switch sensor?

☐

To detect the presence of a magnetic field

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#16. Which IoT communication protocol is designed for communication between

constrained IoT devices and constrained nodes in low-power networks?

☐

CoAP

☐

MQTT

☐

HTTP

☐

LoRa

☐

Zigbee

#17. What is the main function of a LDR (Light-Dependent Resistor) in an IoT device?

☐

To detect light levels

☐

To process data

☐

To display information

☐

To collect data from the environment

☐

To provide power

#18. Which of the following is an example of an IoT application in asset tracking?

☐

GPS tracking

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#19. What is the primary function of a relay module in an IoT device?

☐

To control high-power devices

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#20. Which IoT communication protocol is commonly used for secure and reliable communication in industrial automation systems?

☐

Modbus

☐

OPC UA (Unified Architecture)

☐

BACnet

☐

DNP3 (Distributed Network Protocol 3)

☐

EtherNet/IP

Next

Results