

MCQ Sample Questions

Paper Code: M4-R5

Paper Name: IoT and its Applications

Unit 1: Introduction to IoT- Applications/Devices

1. Which of the following transducers have on-board battery facility?

- a) Active transducers
- b) Passive transducers
- c) Both a and b
- d) None of these

correct Answer-a

2. Which of the following IEEE standards represent WIMAX?

- a) 802.3
- b) 802.11
- c) 802.16
- d) 802.15.4

correct Answer:d

3. What is the maximum data rate of BLE?

- a) 2Mbps
- b) 4 Mbps
- c) 8Mbps
- d) 10Mbps

Correct answer: a

4. Which of the following protocols facilitates packet flow identification?

- a) IPV4
- b) IPV6
- c) Both a and b
- d) None of these

Correct answer:b

5. Which of the following protocols is called as "Father of modern home automation"?

- a) Sigfox
- b) Zigbee
- c) X-10
- d) LoRaWAN

Correct Answer:c

Unit 2: Things and connections

1. Which of the following system does have a feedback mechanism?
 - a)Open loop control system
 - b)Closed loop control system
 - c)MIMO system
 - d)None of the above

Correct Answer:b

2. Which of the following protocol works in the transport layer?
 - a)MQTT
 - b)TCP
 - c)IPV6
 - d)UDP

Correct answer:UDP

- 3.Which of the following cables are very much responsible for noise cancellation in communication?
 - a)Coaxial cable
 - b)Twisted pair cable
 - c)Fiber optic cable
 - d)None of the above

Correct answer:b

- 4.Which of the following cables are the most susceptible to EMI?
 - a)UTP
 - b)STP
 - c)Coaxial cable
 - d)Fiber optic cable

Correct answer:a

- 5.Which cable uses the principle of TIR transfers signal from one point to another point?
 - a)UTP
 - b)STP
 - c)Coaxial cable
 - d)Fiber optic cable

Correct answer:d

Unit 3:Sensors,actuators and Microcontrollers

1.What are the appropriate criteria for selecting a sensor?

- a)Range
- b)Accuracy
- c)Resolution
- d)All of the above

Correct Answer:d

2.What is the full form of CISC?

- a)Complex instruction set computers
- b)Calculated informed set computers
- c)Complex inflow set computers
- d)None of the above

Correct answer:a

3.The LDR sensor converts the -----energy into the change in resistance .

- a)Photonic
- b)Hydraulic
- c)Pneumatic
- d)Gaseous

Correct answer:a

4.Which of the following sensor converts biological process into electrical signals?

- a)IR sensors
- b)Ultrasonic sensors
- c)Biosensors
- d)LDR

Correct answer:c

5.Which of the following are the application area of 8051 microcontroller?

- a)Medical equipment
- b)Aeronautical and space
- c)Defense system
- d)All of the above

Correct answer:d

Unit 4: Building IOT applications:

1. Which of the following extension is used for saving the Arduino code?

- a).uno
- b).ino
- c).eno
- d).ano

Correct answer:b

2. Which of the following function is used for intializing pins on Arduino board?

- a) setup()
- b) loop()
- c) Both a and b
- d)None of the above

Correct answer:a

3. Total no. of analog pins present on the Arduino board is-----

- a)4
- b)6
- c)8
- d)10

Correct answer:b

4. The Arduino board can be powered on by using -----

- a)DC powerjack
- b)USB cable
- c)Both a and b
- d)None of the above

Correct answer:c

5. Which of the following sensor is used for measuring temperature and humidity?

- a)MQ135
- b)HC-SR-04
- c)DHT11
- d)None of the above

Correct answer:c

Unit 5: Security and Future of IOT ecosystem:

1. Botnet is often used to launch _____ attack

- a) DoS
- b) DDoS
- c) Brute force
- d) Passive

Correct Answer: b

2. Which of the following is a system based attack?

- a) Phishing
- b) Session hijacking
- c) Trojan horse
- d) Brute force attack

Correct Answer: c

3. What is Artificial Intelligence?

- a) Putting your intelligence into computer
- b) Programming with your own intelligence
- c) Making a machine intelligent
- d) Putting more memory into computer

Correct Answer: c

4. _____ is designed to launch botnet attack from IOT.

- a) Virus
- b) Trojan
- c) Phishing
- d) Mirai

Correct Answer: d

5. Bitcoin transaction are verified by network nodes and recorded in a public distributed ledger called a _____.

- a) Artificial Intelligence
- b) Machine learning
- c) Blockchain
- d) None of the above.

Correct answer: c

Unit 6:Soft-skills-Personality Development

1.The most persistent behavior of human attitude is called as _____

- a)Personality
- b)Self-efficacy
- c)Self-motivation
- d)Self-esteem

Correct Answer:a

2._____factors affect the personality of an individual.

- a)Psychological
- b)Social
- c)Both a & b
- d)None of the above

Correct Answer:c

3.The handshake that conveys confidence is:

- a)Limp
- b>Firm
- c>Loose
- d)None of these

Correct Answer:b

4._____ is the extent of one's belief in its own ability to compete the task and reach towards its goals.

- a)Self-esteem
- b)Self-evaluation
- c)Self-efficiency
- d)Self-analysis

Correct answer: c

5._____ means being specific,definite and vivid.

- a)Consideration
- b>Completeness
- c)Concreteness
- d)Conciseness

Correct answer: c