

Internet of things

Test 2

Name:

Time: 45 min | MM: 50

1. OSI model developed by :
(a) Internet standard organization (b) International standard organization (c) Internet system organization (d) international system organization
2. Which layer is the bottom layer of OSI model ?
(a) Data link layer (b) Internet layer (c) Presentation layer (d) None of these
3. User datagram protocol works on which layer of OSI model
(a) Network layer (b) Transport layer (c) Session layer (d) Application layer
4. Which layer of OSI model is referred as Heart of OSI model
(a) Transport layer (b) Application layer (C) Network layer (D) Data link layer
5. What is ESP8266 ?
(A) Bluetooth module (B) Zigbee Module (C) Wifi module (D) All of these
6. Closed loop control system also known as:
(A) Non - Feedback control system (B) Feedback control system (C) Open loop control system (D) None of these
7. In which the control system action is totally independent from the output of the system
(A) Closed loop control system (B) Open loop control system (C) Feedback control system (D) None of these
8. Which type of IOT communication model is bidirectional and fully duplex?
(A) Publish - Subscribe (B) Request - Response (C) Exclusive - Pair (D) Push - Pull
9. UART stands for :
(A) Universal Asymmetrical Radio Telecasting (B) Universal Assembly Radio Transmitter (C) Universal Asynchronous Receiver Transmitter (D) Universal Asynchronous Receiver Telecasting
10. Which of the following layer is not mentioned in the TCP/IP model ?
(A) Presentation layer (B) Network layer (C) Application layer (D) Transport layer
11. Which of the following layer Interacts with the user?
(A) Network layer (B) Application layer (C) Transport layer (D) Data link layer
12. Lightweight protocol is :
(A) MQTT (B) HTTP (C) CoAP (D) SPI
13. Which device measures gases or liquid?
(A) Proximity sensor (B) Pressure sensor (C) Temperature sensor (D) Touch sensor
14. Bread toaster is an example of :
(A) Open loop control system (B) Closed loop control system (C) Both A and B (D) None of these
15. Manual control system also known as:
(A) Open loop control system (B) Closed loop control system (C) Feedback control system (D) All of these
16. Internet protocol corresponds to which OSI layer:
(A) Network layer (B) Transport layer (C) Data link layer (D) Session layer
17. Which protocol is a network layer protocol?
(A) IP (B) UDP (C) TCP (D) All of these
18. End to end connection is stabilized by which protocol?
(A) IP (B) UDP (C) TCP (D) None of these
19. Transmission media usually categorised as:
(A) Fixed and unfixed (B) Guided and unguided (C) Determinate and undeterminate (D) None of these
20. Which of the following isn't a guided medium?
(A) Fibre optics (B) Coaxial (C) Twisted pair (D) None of these
21. What does SPI stand for?
a) Serial Peripheral Interface b) System Peripheral Interface c) Synchronous Protocol Interface d) Serial Parallel Interface
22. What is the full form of I2C?
(A) Integrated 2-Wire Circuit (B) Inter-Integrated Circuit (C) Intelligent Intercommunication Circuit (D) Interconnected 2-Chip Protocol
23. In SPI communication, how many wires are used in a basic connection?
(A) 1 (B) 2 (C) 3 (D) 4
24. In I2C communication, what are the two primary wires used for data and clock?
(A) Data and Clock (B) SDA and SCL (C) MISO and MOSI (D) TX and RX

25. In UART communication, how many wires are used for data transmission and reception?
 (A) 1 (B) 2 (C) 3 (D) 4
26. MOSI means:
 (A) Multi Out Master In (B) Slave Output Slave Input (C) Master In Slave Out (D) None of these
27. Which is half duplex ?
 (A) SPI (B) I2C (C) Both (D) None of these
28. SPI is :
 (A) Single master protocol (B) Multi master protocol (C) Many master protocol (D) None of these
29. In USART, S stands for :
 (A) Serial (B) Service (C) System (D) Synchronous
30. USB stands for:
 (A) Universal Synchronous Bus (B) Universal Serial Bus (C) Universal System Bus (D) None of these
31. Which is two wire protocol?
 (A) UART (B) USART (C) USB (D) All of these
32. What does the abbreviation "LTE" stand for in the context of wireless communication?
 (A) Long-Term Evolution (B) Light Transmission Efficiency (C) Localized Terrestrial Encoding (D) Link Transmission Extension
33. Difference between UART and USART is of :
 (A) Rx (B) Tx (C) Clock (D) None of these
34. BLE means :
 (A) Bluetooth Lost Energy (B) Bluetooth Low Energy (C) Bluetooth Lite Energy (D) Bluetooth List Energy
35. Range of Bluetooth is:
 (A) 30m (B) 10m (C) 20m (D) None of these
36. Standard of Zigbee is :
 (A) IEEE 802.15.3 (B) IEEE 802.15.2 (C) IEEE 802.15.1 (D) IEEE 802.15.4
37. Which of the following is the correct expansion of 6LoWPAN?
 (A) IPv6 Low-Energy Wireless Personal Area Network (B) IPv6 Low-Power Wireless Public Area Network (C) IPv6 Low-Rate Wireless Personal Area Network (D) None of these
38. Which sensor can detect nearby objects?
 (A) Proximity sensor (B) Humidity sensor (C) Touch sensor (D) Pressure sensor
39. GSM stands for:
 (A) Global system for multimedia (B) Global system for mobile communication (C) Great system for mobile communication (D) Good system for mobile communication
40. Which one can't be the one element of an IOT system?
 (A) People (B) Application (C) Nano technology (D) Privacy
41. Natural control system is :
 (A) Solar system (B) Digestive system (C) Both A and B (D) None of the above
42. Security mechanism used in WiFi
 (A) WPA (B) HTTP (C) MLA (D) All of the above
43. We can deploy IoT feature in Refrigerator to make it smart device, but ____
 (A) First extend connectivity feature (B) Make it smaller in size (C) First train people to operate (D) No prerequisite required
44. ZigBee is most Suitable communication standard for IoT.
 (A) Low data rate (B) Low power consumption (C) Both A and B (D) None of the above
45. Which of the following protocols does not exist at the data link layer?
 (A) Zigbed smart energy (B) LoRaWAN (C) MQTT (D) None of these
46. In Which from data transferred in network layer?
 (A)) Packets (B) Bits (C) Bytes (D) None of these
47. How many layers are there in OSI?
 (A) 5 (B) 9 (C) 4 (D) None of these
48. Which of the following layer Interacts with the Device.
 (A) Physical layer (B) Data link layer (C) Device layer (D) Presentation layer
49. Traffic light system is the example of :
 (A) Open loop system (B) Non feedback system (C) Both A and B (D) None of the above
50. Full form of OSI :
 (A) Open Sensor Interconnection (B) Open Serial Internet (C) Open System Internet (D) None of the above