**IOT Quiz**

1.\_\_\_\_ are the main components in IOT

a)Low power embedded systems b)Cloud computing

c)Availability of big data, networking connection d)All of the above

2. \_\_\_\_\_ are the characteristics of IOT

a)Intelligence, scalable b)Security c)Heterogeneity d)All of the above

3.The IPV4 developed in \_\_\_\_

a)1974 b)1980c)2000d)None of the above

4. The IPV6 developed in \_\_\_\_

a)1998 b)1980 c)2000 d)None of the above

5.The bit length of the IPV4 is \_\_\_

a)8 bits b)16 bitsc)32 bitsd)128 bits

6.The IPV4 has a \_\_\_\_ notation for addressing

a)Dotted decimals b)Hexadecimal c)Both a and b d)None of the above

7. The bit length of the IPV6 is \_\_\_

a)8 bitsb)16 bitsc)32 bits d)128 bits

8. The number of addresses in IPV4 is \_\_\_\_

a)2^4b)2^8 c)2^32d)2^128

9. The number of addresses in IPV6 is \_\_\_\_

a)2^4 b)2^8c)2^32 d)2^128

10.What is the standard form of MQTT?

a)Message Queue Telemetry Transport b)Message Queue Transport Telemetry

c)Message Queue Time Transport d)None of the above

11.The MQTT protocol designed for \_\_\_\_

a)Limited bandwidth b)Remote connectionc)Small code footprintd)All of the above

12. \_\_\_\_ are the components of the MQTT protocol

a)Subscribers b)Brokers c)Publishers d)All of the above

13.\_\_\_\_ are the MQTT methods

a)Connect, disconnect b)Subscribe, unsubscribe c)Publish d)All of the above

14. What is the standard form of SMQTT?

a)Sequence Message Queue Telemetry Transport b)Secure Message Queue Telemetry Transport

c)Message Queue Transport Telemetry d)None of the above

15.For routing \_\_\_ protocols are used in 6LOWPAN routing

a)LOADng protocol b)RPL protocol c)Both a and b d)None of the above

16.The IPV6 has a \_\_\_\_ notation for addressing

a)Dotted decimals b)Hexadecimal c)Both a and b d)None of the above

17.The IPSec is optional in \_\_

a)IPV4 b) IPV6c)Both a and b d)None of the above

18. The header size is fixed in \_\_\_\_

a)IPV4 b) IPV6 c)Both a and bd)None of the above

19. The sensor classes are categorized into \_\_\_\_\_ based on the output

a)One b) Twoc)Three d)Four

20.The sensor classes are categorized into \_\_\_\_\_ based on the data types

a)One b) Twoc)Three d)Four

21\_\_\_\_\_\_are the modes of operation of NFC

a)Peer to peer b)Read/write c)Card emulation d)All of the above

22.\_\_\_ are the challenges in human-centric sensing

a)Privacy of users b)Participant selection c)Energy of devices d)All of the above

23.The NFC used in\_\_\_\_

a)Parcel trackingb)Low power home automation

c)Smart phone based payment d)All of the above

24. \_\_\_\_ are the types of actuators

a)Hydraulic, pneumatic actuators b)Electrical, thermal actuators

c)Mechanical actuators d)All of the above

25. The header size is variable in \_\_\_\_

a)IPV4 b)IPV6 c)Both a and b d)None of the above

26.The optimization objectives of routing includes \_\_\_

a)Minimizing the energy b)Minimizing the latency

c)Satisfying the constraints d)All of the above

27.The operations of the protocol requires \_\_\_\_ links

a)Unidirectional b)Bidirectional

c)Eitheruni-directional or bi-directional d)None of the above

28.What is the standard form of RFID?

a)Radio Frequency Identification b)Radio Frequency-Independent

c)Radio Frequency-Dependent d)None of the above

29.The RFID tags consists of an \_\_\_

a)Antenna b)Integrated circuit c)Both a and b d)None of the above

30. The Bluetooth technology operates in the ISM band at \_\_\_

a)2.4 to 2.485 GHz b)1.4 to 2.485 GHz c)2.4 to 2.485 MHz d)None of the above

31.In RFID tags, the tags are \_\_\_

a)Active b)Passive c)Active or passive d)None of the above

32. The RFID tags used in \_\_\_

a)Asset tracking b)ID badging c)Personnel tracking d)All of the above

33.The sensor nodes are \_\_\_

a)Typically small in size b)Consumes less power c)Cost is low d)All of the above

34.\_\_\_\_ are the few examples of sensor nodes

a)Soil sensor nodes b)Temperature sensor nodes c)Weather sensor nodes d)All of the above

35.\_\_\_ are the machine to machine communication applications

a)Environment monitoring b)Civil protection and public safety

c)Supply chain management d)All of the above

36.The M2M nodes are of \_\_\_ types

a)One b)Two c)Three d)Four

37.The low-end sensor nodes are \_\_\_\_\_

a)Cheap b)Static c)Simple and energy efficient d)All of the above

38.The mid-end sensor nodes are \_\_\_\_

a)Cheap b)More expensive c)Nodes may have mobility d)Both b and c

39.The computational capabilities are limited in \_\_\_

a)IOT b)Cloud computing c)Both a and b d)None of the above

40.The storage is limited in \_\_\_

a)IOT b)Cloud computing c)Both a and b d)None of the above

41.The IOT is a \_\_\_\_\_ based technology

a)Software b)Hardware c)Both a and b d)None of the above

42.The M2M is a \_\_\_\_\_ based technology

a)Software b)Hardware c)Both a and b d)None of the above

43.In M2M the communication type is \_\_\_\_

a)Point to point b)Multipoint c)Both a and b d)None of the above

44.The M2M is \_\_\_\_ scalable than IOT

a)Highly b)Less c)Very high d)None of the above

45.Which one is an example for M2M?

1. Remote monitoring b) Smart cities c) Smart agriculture d)All of the above

46.Which one is an example for IOT?

a)Remote monitoring b)Smart cities c)Fleet control d)All of the above

47.In M2M, the business type is \_\_\_\_\_

a)B2B b)B2C c)Both a and b d)None of the above

48.In IOT, the business type is \_\_\_\_\_

a)B2B b)B2C c)Both a and b d)None of the above

49.The technology integration is \_\_\_in M2M

a)Vertical b)Horizontal c)Parallel d)None of the above

50.Which service permits the change to the IOT services?

a)Update b)Registered service status

c)Enable from suspension d)Enable

**IOT Quiz Answers**

1.d 26.d

2.d 27.b

3.a 28.d

4.a 29.c

5.c 30.c

6.a 31.c

7.d 32.d

8.a 33.d

9.d 34.d

10.a 35.d

11.d 36.c

12.d 37.d

13.d 38.d

14.b 39.a

15.c 40.a

16.b 41.c

17.a 42.b

18.b 43.a

19.b 44.b

20.b 45.d

21.d 46.a

22.a 47.a

23.c 48.c

24.d 49.a

25.a 50.a