1. The number of bits transmitted of received per second is defined as ___

A. transmission rate

B. reception rate

C. transceiver

D. baud rate

2. The void loop() function does precisely what its name suggests, and loops ___

A. One and Done

B. Once and Twice

C. Once and Never

D. Over and over

3. To vary the brightness of an LED, anode of the LED is to be connected at ___

A. any digital pin

B. only PWM featured pin

C. ground

D. analog input in

4. MQTT is better than HTTP for sending and receiving data

A. True

B. False

5. Which protocol is lightweight?

A. MQTT

B. HTTP

C. CoAP

D. SPI

6. BAN gives _____

A. Communication

B. Storage

C. Network connectivity

D. Communication and storage

7. To activate serial monitor, what setup code is to be written?

A. serialBegin(9600);

B. Serialbegin(9600);

C. Serial.begin(9600);

D. Serial.Begin(9600);

8. What is the resolution of the ADC present in the arduino Uno?

A. 8-bit

B. 10-bit

C. 6-bit

D. 16-bit

9. What is the maximum output current for the digital pin in Arduino Uno?

A. 20 mA

B. 40 mA

C. 80 mA

D. 100 mA

10. A sensor is ____

A. something that detects a change

B. something creates a change

C. something that humans have

11. What is the format of IP address?

A. 34 bit

B. 64 bit

C. 16 bit

D. 32 bit

12. With Arduino, what symbol do you place at the end of each line of code?

A. (

B. (

C. ;

D. //

13. What are two two main types of Arduino pins?

A. Digital and analog

B. Digital and modulation

C. Pulse and analog

14. What is the clock speed of the Arduino Uno?

A. 16 Hz

B. 16 MHz

C. 8 MHz

D. 4 MHz

15. The base of a number system is __

A. always the same as the highest digit used in the system

B. equal to the number of different digits used in the system

C. one less than the highest single digit number in the system

16. What does design provides?

A. Technology

B. Ecosystem

C. Technology and ecosystem

D. Digital revolution

17. The pinMode() function configures a pin as either ___

A. High or Low

B. Input or Output

C. On or Off

D. Inside or Outside

18. Which bluetooth version enables low energy?

A. Bluetooth 3.0

B. Bluetooth 4.0

C. Bluetooth 2.0

D. Bluetooth 1.0

19. How many pair(s) of Rx/Tx pins are present in Arduino Uno for UART communication?

A. 3

B. 2

C. 1

D. 0

20. IoT is a paradigm that involves ubiquitous presence in the environment?

A. True

B. False

21. For a servo motor to run, the three pins required of the Arduino Uno are

A. Vcc, GND, PWN

B. Vcc, GND, Analog

C. Vcc, PWN, Digital

D. Vcc, GND, Digital

22. Which one(s) is/are analog out pin(s)?

A. 3

B. 9

C. 12

D. 5

23. A analog signal is one that can take on any number of value (instead of only binary values)

A. True

B. False