
ES107 (OSPT) Quiz-2

BVM Engineering College, AY 2021-22 Even Semester

1. digitalWrite (LED1,LOW);

What does the word 'LOW' mean in this command?

(1 Point)

- ☐ Blinking
- ☐ Switch ON
- ☒ Switch OFF
- ☐ Sequence

2. What do the numbers 16 and 2 indicate in "16 x 2 LCD" ?

(1 Point)

- ☐ 16 lines per character with 2 such lines
- ☒ 16 characters per line with 2 such lines
- ☐ 16 pixels per line with 2 such sets
- ☐ 16 lines per pixel with two such sets

3. While uploading the compiled machine code, which option needs to be selected to choose a specific Arduino board, if multiple such boards are connected to the system?

(1 Point)

- ☒ Tools --> Board
- ☐ Preference
- ☐ Tools --> Port
- ☐ None of the above

4. Which tool is required to plot the data coming serially, from a sensor?
(1 Point)

- ☐ Serial Plotting
- ☐ Serial Plot
- ☐ Serial Plotter
- ☒ None of the above

5. Which microcontroller is used in Arduino UNO board?
(1 Point)

- ☐ ATmega32114
- ☐ AT91SAM3x8E
- ☐ ATmega2560
- ☒ ATmega328p

6. How many analog input pins are there on an Arduino UNO board?
(1 Point)

- ☐ 4
- ☐ 5
- ☒ 6

7. `delay(5000);` stands for
(1 Point)

- ☐ wait for 5 minute
- ☒ wait for 5 seconds
- ☐ wait for 50 seconds
- ☐ None

8. Which functions must be present in any Arduino program?
(1 Point)

- ☐ `loop()`, `build()` and `setup()`
- ☐ `build()` and `loop()`
- ☐ `setup()` and `build()`
- ☒ `setup()` and `loop()`

9. How many times does the `setup()` function run on every startup of the Arduino System?
(1 Point)

- ☐ Continuously, infinite times
- ☐ 4
- ☐ 2
- ☒ 1

10. How many digital I/O pins are there on the Arduino UNO board?

(1 Point)

- ☒ 14
- ☐ 12
- ☐ 16
- ☐ 20

11. How many types of jumper wires are possible, considering the male / female connections?

(1 Point)

- ☐ 1
- ☐ 2
- ☒ 3
- ☐ 4

12. What is the correct statement to set digital pin 13 as high in Arduino?

(1 Point)

- ☐ pinMode(13, HIGH)
- ☐ setMode(13, HIGH)
- ☒ digitalWrite(13, HIGH)
- ☐ digitalSet(13, HIGH)

13. To set PIN number 12 as an output pin, which command is used?

(1 Point)



- ☐ digitalSet(12, OUTPUT)
- ☐ digitalMode(12, HIGH)
- ☒ pinMode(12, OUTPUT)
- ☐ pinSet(12, OUTPUT)

14. Which component is used to control the contrast of backlight of Liquid Crystal Display?

(1 Point)

- ☐ LED
- ☒ Potentiometer
- ☐ Transistor
- ☐ LCD

15. Which control line is used to select one of the two internal registers of the microcontroller of Arduino?

(1 Point)

- ☐ Enable (EN)
- ☒ Register Select (RS)
- ☐ Read / Write (RW)
- ☐ None of the above

16. Which of the following functions can be used to read temperature through a sensor connected to Arduino UNO board?

(1 Point)

- ☐ digitalWrite()
- ☐ digitalRead()

☒ analogRead()

☐ analogWrite()

17. Which digital I/O pins are used for Serial Transmission / Reception on an Arduino UNO board?

(1 Point)

☒ 0 and 1

☐ 1 and 2

☐ 11 and 12

☐ 12 and 13

18. A push button is an ____ device.

(1 Point)

☒ Input

☐ Output

☐ None

19. Which sensor did we use to read temperature and humidity, to be monitored using Arduino?

(1 Point)

dht11

20. Which control line/s act/s as an initiator by apprising LCD about the inception of data transmission by the microcontroller?

(1 Point)





Enable (EN)



Register Select (RS)



Read/Write (RW)



All of the above

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