

24/6/23

Vidyasagar College for Women

Internal Assessment Examination : 2023

Semester -4

PHSA-SECB : Arduino

Full marks -20

Time: 30 minutes

Answer any *ten (10) questions* Mark the right choice here $2 \times 10 = 20$

Question 1.

Which one of the microcontroller is used in Arduino board

- a) ATmega128
- b) ATmega428
- c) ATmega328
- d) ATmega329

Question 2.

Two fixed voltage supply are available in Arduino board. The value of the voltages are

- a) 3.3 volt and 5 volt
- b) 2.2 volt and 5 volt
- c) 5 volt and 2.5 volt
- d) 3 volt and 5 volt

Question 3.

digitalWrite in Arduino board is operated in two following two modes

- a) ON and OFF
- b) High and Low
- c) On and Off
- d) HIGH and LOW

Question 4.

What command is used to glow the LED present in the Arduino board

- a) digitalWrite(LED_BUILTIN,ON)
- b) digitalWrite(LED_BUILTIN,HIGH)
- c) digitalWrite(LED_BOARD,HIGH)
- d) digitalWrite(LED_BOARD,ON)

Question 5.

The number present in the argument in delay function indicates time in

- a) micro-second
- b) second
- c) milli-second
- d) nano-second

Question 6.

To produce 5 volt through analogWrite command which one of the following command will be used?

- a) analogWrite(pin no, 255)
- b) analogWrite(pin no, 1023)
- c) analogWrite(pin no, 5)
- d) analogWrite(pin no, 100)

Question 7.

What is the use of the command pinMode?

- a) It uses to enable a particular pin
- b) It toggle between on and off for a pin
- c) It changes mode to input or output
- d) It changes mode of communication

Question 8.

The main instructions in Arduino is written in the part-

- a) main
- b) loop
- c) body
- d) style

Question 9.

The program in Arduino is known as

- a) sketch
- b) Ard_pro
- c) procom
- d) instrArd

Question 10.

What should be the output in serial monitor for Serial.println(c)?

- a) It prints the letter c
- b) It clears the serial monitor
- c) It prints the value of c
- d) It closes the serial monitor

Question 11.

What is the full form of PWM?

- a) Phase width modulation
- b) Pulse width modulation
- c) Phase width monitoring
- d) Pulse width monitoring

Question 12.

How many pins are present in Arduino board to accept analog signal?

- a) 6
- b) 14
- c) 5
- d) 9