

U. G. 4th Semester Examination 2022

B.C.A. (Honours)

Paper Code : DC-10 (a)

Introduction to Arduino Sensors

[CBCS]

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Group- A

Answer any **five** questions.

2×5=10

1. (a) Differentiate between analogWrite() and digitalWrite().
(b) Write the function of digitalRead(pin).
(c) What is PWM?
(d) What is randomSeed()?
(e) Explain Serial.println(data) function.
(f) What is delay ()?

Group- B

Answer any **three** questions.

5×3=15

2. Explain the basic structure of arduino programming.
 3. Discuss different arithmetic operators available in arduino programming.
 4. Write a program that connects a led to pin no 12 and blinked in every 2 second.
 5. Explain variable scope with suitable example.
 6. Explain the functionality of setup() and loop() block with example.
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