



RAN-2503000502069003

F.Y.B.Sc. (Sem.-II) Examination April - 2026

Electronics-SEC : Introduction to Arduino

[Total Marks: 13

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1. Answer any 13 out of 15

- What is a local variable?
- How many digital input/output pins are there in Arduino uno?
- Which pin reads sensor values?
- How many analog input pins are there in Arduino uno?
- What are the two major sections of an Arduino code?
- What is PWM?
- How many times does the loop() function run on every startup of the Arduino System?
 - 1
 - Depends upon the setup() function
 - Infinitely till the power is supplied to the Arduino
 - 3
- Give one application of Arduino.
- Arduino Codes are referred to as _____ in the Arduino IDE.
 - sketches
 - drawings
 - links
 - notes
- Write the correct syntax for creating a delay of 1 second in an Arduino sketch?
- What cable is used to connect Arduino to a computer?
- Name one Arduino board.
- What is the function of the setup() function in an Arduino sketch?
 - It runs continuously while the sketch is running
 - It sets up the initial configuration of the sketch
 - It handles the input/output operations of the sketch
 - It is used to define custom functions in the sketch
- Arduino is open source or closed source?
- What is Arduino?
 - Programming language
 - Image editing software
 - Open-source electronics platform
 - Text editor