Question Paper Code: 98466

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2025

One credit

Electronics and communication Engineering

19UEC866 - ARDUINO PROGRAMMING

Regulations 2019

(Common to all branches)

Duration: 1.30 minutes   Maximum: 30 Marks

Answer ALL Questions

PART A - (1 x 30 = 30 Marks)

1. Do Arduino provides IDE Environment?.

    (a) True   (b) False   (c) All the above   (d) None of the above

2. Arduino has both software and _____ board.

    (a) Timing circuit   (b) Break the circuit   (c) Programmable circuit   (d) Feedback circuit

3. The Arduino board is also called a _____?

    (a) Microprocessor   (b) Timer   (c) Oscillator   (d) Microcontroller

4. Expand IDE full form_____?

    (a) Integrated Development Environment   (b) Interfaced Developed Module

    (c) Interleaving Deficit Expander   (d) Interleaving The Developed Environment

5. Code writing and uploading into the board is done using _____?

    (a) Environment   (b) PC   (c) IDE   (d) SOME

6. Arduino doesn't require separate _____ to load code on the board.

    (a) Storing   (b) Programmers   (c) Initializer   (d) Oscillator

7. _____ is the language used by the Arduino IDE to code easily.

    (a) C   (b) C++   (c) Java   (d) Python

8. _____ is the best product in the Arduino family for Beginners.

    (a) Divide   (b) Uno   (c) Thrive   (d) None of the above

9. Without _____ Arduino cannot be run.

(a) Power source   (b) Regulator   (c) Inverter   (d) None of the above

10. Expand the full form of USB is_____?

(a) United Serial Bus   (b) Universal Serial Bus

(c) United Search Bus   (d) None of the above

11. If the voltage is greater than _____, then the Arduino will destroy.

(a) 10   (b) 30   (c) 20   (d) 05

12. Approved voltage for Arduino types are _____ volts.

(a) 3 and 5   (b) 5 and 10   (c) 6 and 12   (d) None of the above

13. To ground the circuit _____ pin is used in Arduino.

(a) PIN   (b) GND   (c) RESET.   (d) None of the mentioned.

14. The 5V pin of Arduino supplies _____ volts of power.

(a) 2.5   (b) 10   (c) 5   (d) 0

15. How many Analog pins exist in Arduino?

(a) 9   (b) 10   (c) 5   (d) 6

16. Analog pins _____ the signals from an analog sensor.

(a) Write   (b) Read   (c) Peruse   (d) Study

17. The 3.3V pin of Arduino supplies _____ volts of power.

(a) 3.5   (b) 10   (c) 5   (d) 3.3

18. After conversion from analog to digital value is read by _____?

(a) Temperature sensor   (b) Oscillator   (c) Wavelet   (d) Timers.

19. _____ pins are known as digital pins in Arduino.

(a) 10   (b) 11   (c) 12   (d) 13

20. Expand PWM full form _____?

(a) Pulse Width Modulation.   (b) Pulse Wide Modulation

(c) Plain width modulation   (d) None of these

21. Expand AREF full form _____?

(a) Analog Revalue   (b) Analog reference

(c) Annuity reference   (d) Amplified reference

22. TX pin represents _____ in Arduino board.

    (a) Transmits   (b) Receives   (c) Ground   (d) Restarts

23. _____ authorizes the amount of voltage to get into the Arduino board.

    (a) Voltage stabilizer   (b) Voltage regulator   (c) Amplifier   (d) Oscillator

24. ARDUINO UNO power regulator can handle voltage from 7 to __ volts DC.

    (a) 10   (b) 15   (c) 12   (d) 13

25. Arduino can work on a variety of _____ like windows, Linux, and mac.

    (a) Platforms   (b) Elements   (c) Batteries   (d) Components

26. Arduino boards having double pins that provide interfacing for _____?

    (a) Programming   (b) Technical issue   (c) Marketing   (d) Simulating

27. Level shifter circuits are used to convert from RS-232 and _____ level signals.

    (a) TTL   (b) RTL   (c) SCL   (d)

28. Every board of Arduino has a five volts ___ regulator?

    (a) Vertical   (b) Linear   (c) Horizontal   (d) None of the above

29. _____ are pre built circuit boards that fit on top of Android

    (a) Sensor   (b) Data types   (c) Breadboard   (d) Shields

30 Some Arduino boards contain a _____ circuit for conversion of level signals.

    (a) Oscillator   (b) Amplifier   (c) Level Shifter   (d) Shift register

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