Assignment 8

The due date for submitting this assignment has passed.

As per our records, you have not submitted this assignment.

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1) ATmega16 have total of 40 pins from which number of I/O pins are _____________
   - No, the answer is incorrect.
   - Corrected Answer: 32
   - 5 points

2) AVCC pin in ATmega16 act as _____________
   - Supply voltage pin for PORT A and the A/D converter
   - Supply voltage pin for PORT A and the D/A converter
   - Supply voltage pin for PORT B and the A/D converter
   - Supply voltage pin for PORT B and the D/A converter
   - No, the answer is incorrect.
   - Corrected Answer: Supply voltage pin for PORT A and the A/D converter
   - 5 points

3) Which of the following terms IS NOT one of the five basic parts of a robot?
   - Arm
   - Controller
   - Peripheral tools
   - Drive
   - No, the answer is incorrect.
   - Corrected Answer: Peripheral tools
   - 5 points

4) An EMG acquires signals by the _____________ muscle fibers.
   - No, the answer is incorrect.
   - Corrected Answer: _____________
   - 5 points

5) Which among the following is an Indian robot, made by ISRO (Indian space research organisation) for space exploration purposes?
   - Athlete
   - Vyommitra
   - Sita
   - Valhalla
   - No, the answer is incorrect.
   - Corrected Answer: Vyommitra
   - 5 points

6) The following two statements describes properties mechanical springs

Statement P: Generally mechanical springs are used to introduce compliance in the structure of robot.
   - Both statements P and Q are correct
   - Both statements P and Q are wrong
   - Statement P is correct and statement Q is wrong
   - Statement P is wrong and statement Q is correct
   - No, the answer is incorrect.
   - Corrected Answer: Both statements P and Q are correct
   - 5 points

7) The microcontroller Arduino MEGA ADK used for Messenger Robot (MR1) in Roboson 2019 is:
   - ATmega2560
   - ATmega16
   - ATmeg32
   - No, the answer is incorrect.
   - Corrected Answer: ATmega2560
   - 5 points

8) LIDAR stands for _____________
   - Laser Detector and Ranging
   - Light Detection and Ranging
   - Light Detection and Radiation
   - No, the answer is incorrect.
   - Corrected Answer: Light Detection and Ranging
   - 5 points

9) Proximity sensor used for obstacle detection is a _____________ type of position sensor.
   - No, the answer is incorrect.
   - Corrected Answer: non-contact
   - 5 points

10) Operating voltage of "Module Controller Unit" is:
    - 11-24V
    - 4.5-5.3V
    - 2.7-3.5V
    - 9-12V
    - No, the answer is incorrect.
    - Corrected Answer: 11-24V
    - 5 points