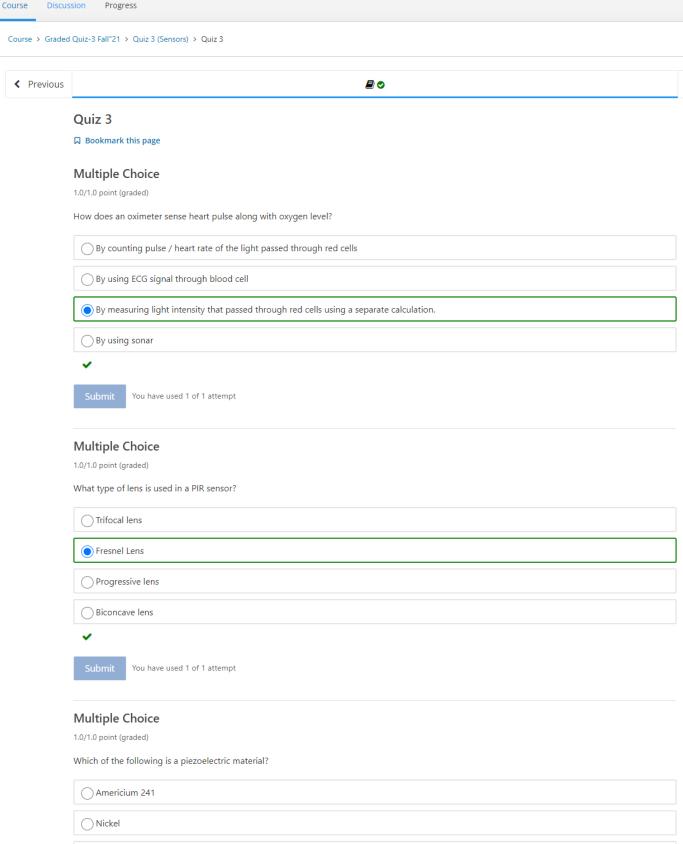
Next >

Discussion





Quartz

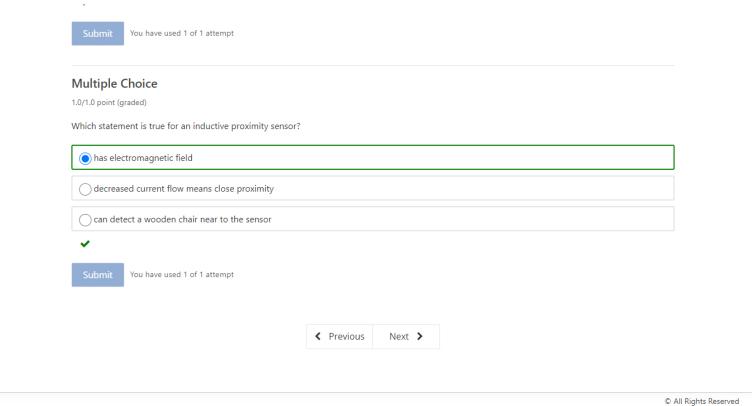
Oron-Constantan

Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Assume a scenario, where some coal miners want to work deep under the ground base where they don't know how deep they have to work under.
For this situation which sensor(s) can be used?
time and distance measurement of Sonar Sensor
Resistivity of LDR sensor
Electromagnetic Radiation of IR sensor
Mechanism of Proximity sensors
✓
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
LDR used to sense:
● Electromagnetic radiation
○ Infrared
X-Ray
None of above
✓
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Which of the following sensors is used in autonomous vehicles for localization and mapping?
● LiDAR
OLDR
Accelerometer
Rotary Encoder
•
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Which of the following is the function of the accelerometer sensor?
O Detects changes in velocity, shock

OPETECTS changes in position orientation

O Betasta changes in position, sheritation
Oetects changes in tilt, vibration
All the above
*
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Which statement(s) is/are true for active and passive sensors?
Passive sensors always need to emit something to sense.
Active sensor is called active because it is installed with a motor.
Active sensors emit signals only.
The same passive sensor can be used as an active sensor when it uses an emitter to sense properly.
None of the above is true.
•
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Which rays are used to measure the oxygen saturation in blood?
Ouv
■ IR
Photo emission
Light
•
Submit You have used 1 of 1 attempt
Multiple Choice
0.0/1.0 point (graded)
The speed of sound in air at normal temperature is 340m/s. If an ultrasonic burst sent from a transmitter returns to the sensor in 0.5 seconds, how far is any object from the sensor?
50 meter
70 meter
85 meter
● 170 meter
×

Multiple Choice
1.0/1.0 point (graded)
Which of the following is not a temperature sensor?
RTD sensor
Thermistor
Thermocouple
PIR sensor
✓
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Which sensor can be used to measure the angular orientation of an object?
Accelerometer
Gyroscope
Capacitive sensor
Ultrasonic sensor
✓
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
On which parameter Sensor effectiveness depends?
Resistivity
Radiation
Sensitivity
Accuracy
•
Submit You have used 1 of 1 attempt
Multiple Choice
1.0/1.0 point (graded)
Why do we use potentiometers with sensory devices?
To increase or decrease the sensitivity in some cases
To increase or decrease voltage or capacitance differences.
To increase or decrease current or inductance differences.





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