

For More Questions [Click Here](#)

1) Which of the following is/are characteristic/s of mechatronic products and systems?

- a. Functional interaction between mechanical, electronic and information technologies
- b. Spatial interaction of subsystems in one physical unit
- c. Intelligence related to the control functions of the mechatronics system
- d. All of the above

Answer Explanation Related Ques

ANSWER: All of the above

Explanation:

No explanation is available for this question!

2) The mechatronics is an interdisciplinary field in which the disciplines those act together are

- a. Mechanical systems and Electronic systems
- b. Mechanical systems and Information technology
- c. Electronic systems and Information technology
- d. Mechanical systems, Electronic systems and Information technology

Answer Explanation Related Ques

ANSWER: Mechanical systems, Electronic systems and Information technology

Explanation:

No explanation is available for this question!

3) Group the followings into Mechanical systems, Electronic systems and Information technology.

- 1. Automation
- 2. Mechanical elements
- 3. Software engineering
- 4. Precision mechanics
- 5. Microelectronics
- 6. Artificial intelligence
- 7. Sensors and actuators

- a. Mechanical Systems: 2, 4
Electronic System: 5, 7
Information Technology: 1, 3, 6
- b. Mechanical Systems: 2, 7
Electronic System: 4, 5, 6

Information Technology: 1, 3

c. Mechanical Systems: 2, 4

Electronic System: 5, 6, 7

Information Technology: 1, 3

d. Mechanical Systems: 2, 7

Electronic System: 4, 5

Information Technology: 1, 3, 6

Answer Explanation Related Ques

ANSWER: Mechanical Systems: 2, 4

Electronic System: 5, 7

Information Technology: 1, 3, 6

Explanation:

No explanation is available for this question!

4) What is used to make considerable simplification in the devices such as watches and cameras etc. as compared to pure mechanical designs?

a. Actuators with electrical auxiliary energy

b. Amplifiers with electrical auxiliary energy

c. Both a. and b.

d. None of the above

Answer Explanation Related Ques

ANSWER: Both a. and b.

Explanation:

No explanation is available for this question!

5) In which stage the measurement system comes in contact with the measurand or the quantity to be measured?

a. Transducer Stage

b. Signal Processor Stage

c. Output Stage

d. None of the above

Answer Explanation Related Ques

ANSWER: Transducer Stage

Explanation:

No explanation is available for this question!

6) Which of the following functions can a control system carry out?

- a. The system output can be controlled to some desired particular value for particular input
- b. If certain conditions are satisfied, it can give a particular sequence of output, corresponding to given input
- c. Either a. or b.
- d. None of the above

Answer Explanation Related Ques

ANSWER: Either a. or b.

Explanation:

No explanation is available for this question!

7) A group of components which can complete certain tasks or achieve certain desired results in a desired manner while working together is called as _____

- a. output system
- b. sequence system
- c. control system
- d. all of the above

Answer Explanation Related Ques

ANSWER: control system

Explanation:

No explanation is available for this question!

8) In which system does the output not affect the process in any way?

- a. Open loop system
- b. Closed loop system
- c. Both a. and b.
- d. None of the above

Answer Explanation Related Ques

ANSWER: Open loop system

Explanation:

No explanation is available for this question!

9) The temperature control system which maintains the temperature of a room at 30 °C when it is set is an example of _____

- a. Open loop system
- b. Closed loop system
- c. Both a. and b.
- d. None of the above

Answer Explanation Related Ques

ANSWER: Closed loop system

Explanation:

No explanation is available for this question!

10) Which control system does not have a stability problem?

- a. Open loop system
- b. Closed loop system
- c. Both a. and b.
- d. None of the above

Answer Explanation Related Ques

ANSWER: Open loop system

Explanation:

No explanation is available for this question!