

Moving to the next question prevents changes to this answer.

Question 33

1 points

The diameter measurement of a spherical part with an outside caliper is considered to be a very poor measurement due to the high risk of misalignment caused by the infinite degrees of freedom available between the part and the contact.

- ☐ True
☒ False

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Question

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Question 22

Firm-joint calipers are easier to adjust and permit accurate sense of touch during measurement.

- ☐ True
☒ False

⚠ Moving to the next question prevents changes to this answer.

Question Completion Status:

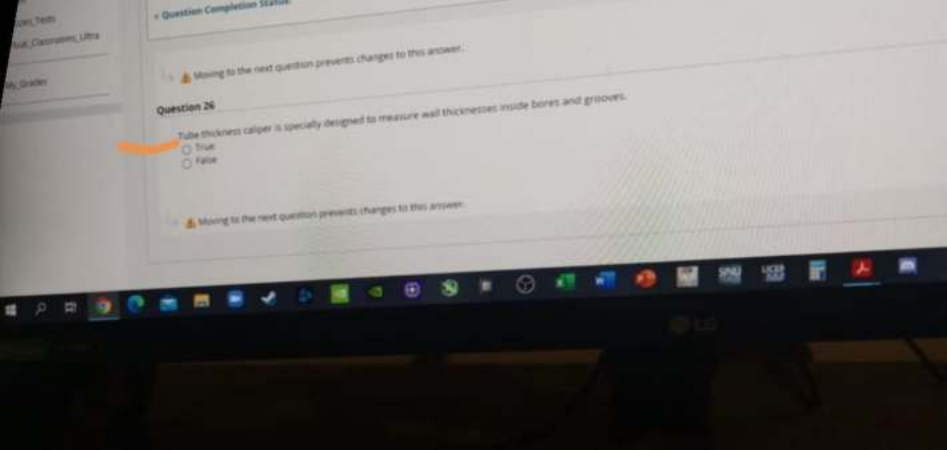
⚠ Moving to the next question prevents changes to this answer.

Question 39

In the pyramid system of standards, the frequency of use and the permissible error are both increasing from top to bottom.

- ☒ True
☐ False

⚠ Moving to the next question prevents changes to this answer.



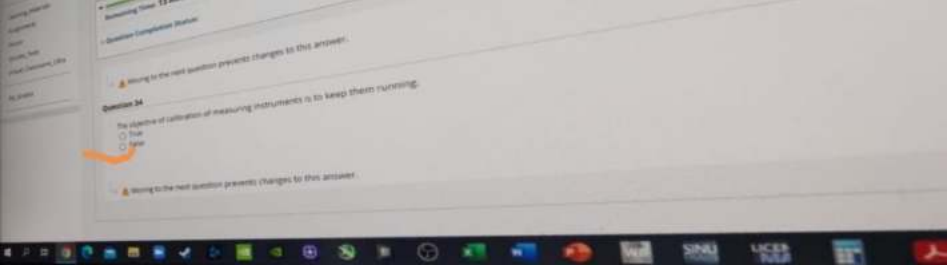
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Question 24

The LVDT element utilized in some electronic comparators for converting displacements into electronic signals is considered as the source of amplification.

- ☐ True
☐ False

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Question 27
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Question 27

- ☒ require different design of gauging heads.
- Mechanical comparators
- Optical comparators
- Pneumatic comparators
- Electrical comparators

require different design of gauging heads.

in prevents changes to this answer.

3

Remaining Time: 21 minutes, 49 seconds.

Question Completion Status:

⚠ Moving to the next question prevents changes to this answer.

Question 28

Direct (absolute) measurements have an advantage of long ranges of measurement, while comparison measurements have an advantage of low errors of measurement.

☒ True
☐ False

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This test has a time limit of 30 minutes. You will see and receive announcements when the time expires.

Warnings appear when half the time, 5 minutes, 1 minute, and 30 seconds remain.

Multiple Attempts: Not allowed. This test can only be taken once.

Once Completion: Once started, this test must be completed in one sitting. Do not leave the test before clicking **Save and Submit**.

This test does not allow backtracking. Changes to the answer after submission are prohibited.

Remaining Time: 21 minutes, 21 seconds.

Question Completion Status:

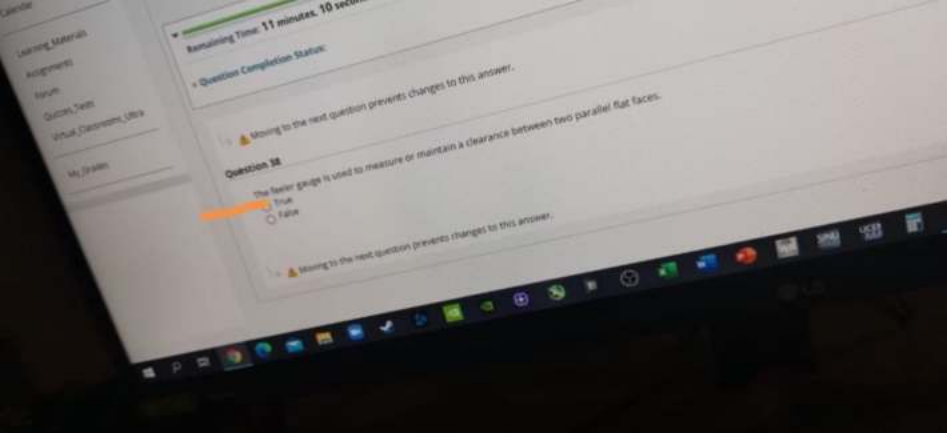
⚠ Moving to the next question prevents changes to this answer.

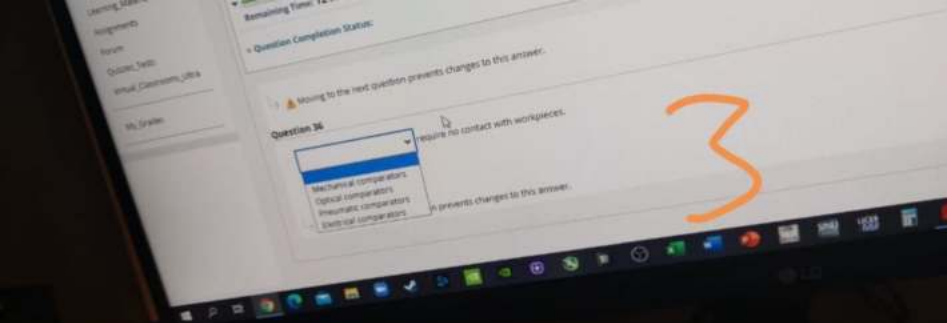
Question 21

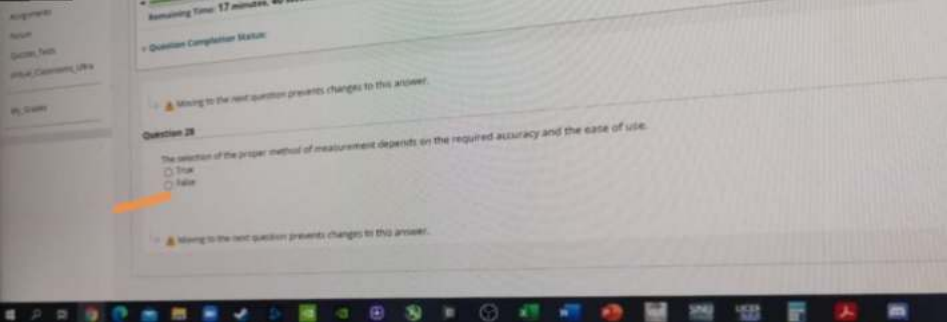
The dead zone of a measuring instrument is an initial input signal below which the instrument is unable to show any response.

- ☐ True
☒ False

⚠ Moving to the next question prevents changes to this answer.







Question 39

Measurement with radius gauges is a comparison measurement using a light source.

- ☐ True
- ☐ False

U T

⚠ Moving to the next question prevents changes to this answer.

- Mechanical comparators
- Optical comparators
- Pneumatic comparators
- Electrical comparators

require no contact with workpieces

A or events changes to this answer



 Moving to the next question prevents changes to this answer.



Question 36

Dried laboratory measurements have an advantage of long ranges of measurement, while comparison measurements have an advantage of low errors of measurement.

- ☒ True
☐ False

⚠ Moving to the next question prevents changes to this answer.

Question 34

The objective of calibration of measuring instruments is to keep them running.

☐ True

☒ False


⚠ Moving to the next question prevents changes to this answer.

to this answer.

Center head is mainly used with steel rules to speed up the measurement of inside diameters and improve reliability.

☐ True

☐ False

 Moving to the next question prevents changes to this answer.

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Question 31

Prevents changes to this answer.

The feeler gauge is used to measure or maintain a clearance between two parallel flat faces.

- ☐ True
- ☐ False

⚠ Moving to the next question prevents changes to this answer.

Question 29

The main objective of using calipers is to replace rules in taking measurements.

- ☐ True
- ☒ False



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Question 28

... prevents changes to this answer.

In

... heating can affect calibration.

- Mechanical comparators
- Optical comparators
- Pneumatic comparators
- Electrical comparators

... prevents changes to this answer.


Question 27

The surface plane is used as a reference surface for all other components and instruments which can be placed on it, mainly because it is free from all imperfections.

☐ True

☒ False


⚠ Moving to the next question prevents changes to this answer.

 Moving to the next question prevents changes to this answer.

Question 25

The amplification in the Vernier protractor can be calculated by dividing the full angle of both sides of the Vernier scale by the least count of main scale.

- ☐ True
☒ False

 Moving to the next question prevents changes to this answer.

⚠ Moving to the next question prevents changes to this answer.

Question 24

Firm-joint calipers are easier to adjust and permit accurate sense of touch during measurement.

☐ True

☐ False

⚠ Moving to the next question prevents changes to this answer.

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Question 23

In the **pyramid system** of standards, the frequency of use and the permissible error are both increasing from top to bottom.

☐ True

☐ False

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