

Hw  
7/7/21

Homework

Q. Describe the parts of the electronic balance.

Ans- There are three parts of the electronic balance

- the structure, the load cell and the signal conditioner.

The structure - The structure is the load bearing part of the balance which transfers

~~The~~ the load or the force to the load cell.

The load cell - The load cell converts the load into electric signals.

The signal conditioner - The signal conditioner receives and processes ~~converts~~ electronic signals and displays the mass.

Q. What are standard weights? Give some examples.

Ans. Standard weights are used to measure the mass of an object. There are standard weights of 20 kg, 10 kg, 5 kg, 2 kg, 1 kg, 500 g, 200 g, 150, ~~100g~~ 20g, 10g, 50g.

Q. What do you mean by mean solar day?

Ans. Mean solar day is the time taken by the

Earth to complete ~~one~~ one revolution around the sun one mean solar day is the means of 365 solar days in a year.

Q. The unit of time in MKS and CGS system is seconds.

Q. How can you measure short time interval?

Ans- To measure short time intervals, we use stop watch. An <sup>electronic</sup> stop watch is more accurate than a mechanical stop watch. An electronic stop watch can measure time accurately upto 0.01 seconds.

We can press a button and set the time in it.

It has a digital display screen, and is used

to measure time in competitions and activities.

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