

Q. Describe the parts of ^{electronic} ~~military~~ balance.

Ans: A ~~electronic~~ ^{electronic} balance has three parts:-

1. The structure. It is the load bearing part which transfers the load of the object to the load cell.

2. The load cell: It converts the load into electrical signal.

3. The signal conditioner - It is the electronic which processes the electric signal and displays the mass.

Q. What do you mean by mean solar day?

Q. The unit of time in MKS and CGS is second.

Q. How can you measure short time intervals?

Explain

2. Ans. The mean of 365 days is called a mean solar day.

3. Ans. Short time interval can be measured with the help of a stop watch. They have arrangements to start, stop, reset to 0. Nowadays, electronic stop watch is also used. It is more accurate than a mechanical stop watch.

Q. Standard weights

What are standard weights?

Ans: Standard weights are used to measure the mass of an object. They can be of 20 kg, 10 kg, 5 kg, 2 kg, 1 kg etc. They are also available in small weights like 500g, 300g, 200g, 100g, 50g, 20g, 10g, 5g etc.