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Describe the parts of electronic balance.

Ans-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 (i.e. force) into electrical signals.

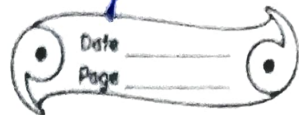
3. The signal conditioner: It is the electronic part which processes the electrical signal and displays the mass.

What are standard weights?

Ans- Standard weights are used to measure of mass of an object standard weights are used standard weights are of 20 kg, 5 kg, 2 kg. In smaller weight 500 gram 200 gram.

Give some examples what do you mean by solar day.

Ans- The mean of 365 solar day in a year.



is called the mean solar day.

One second is defined as  $\frac{1}{86400}$  part of a solar day. i.e.,

$$1s = \frac{1}{86400} \times \text{one mean solar day}$$

- The unit of time in MKS and CGS system is second (s)

How can you measure short time interval?

Ans - We can measure short time interval by stop clock or stop watch. They have arrangement to start, 'to stop' and 'to reset at zero'.

- An ~~stop~~ electronic stop watch can measure time interval accurately up to 0.01s. It does not have min or sec arm. On the other hand it has a digital display screen.