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Physical quantities and measurements

PHYSICS

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1. Describe the parts of electronic balance.

Ans. The parts of electronic balance are :-

* The structure :- It is the load bearing part which transfers the load of the object to the load cell.

* The Load cell :-

It converts the load into electrical signals.

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

2. What are standard weights? Give some examples.

Ans. Standard weights are used to measure the mass of an object.

Ex - 20 kg

10 kg

5 kg

2 kg

1 kg

3. What do you mean by solar day?

Ans. A solar day is the time taken by the earth to complete one rotation about its own axis.

4. The unit of time in MKS and CGS system is Second (s).

5. How can you measure short time interval?

Ans. The short time interval is measured with the help of a stop clock or a stop watch. They have arrangements 'to start', 'to stop' and 'to reset at zero'.

