

### Q1Ans

1) Describe the parts of electronic balance?

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

ii) The load cell - It converts the load into electrical signals.

iii) 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:- A weight or measure fixed and prescribed by law, to which all other weights and measures are required to correspond. For ex:- 20 kg, 10 kg, 5 kg, 2 kg, 500 g, 200 g, 100 g, 50 g etc.

3) What do you mean by mean solar day?

ans:- The period of time during which the earth makes one complete revolution on its axis around the sun is called mean solar day.

4) The unit of time in M.K.S and C.G.S system is second.

5) How can you measure short time interval?

ans:- We can measure short time interval by using stopwatch.