

Long Answer Questions

Q.1. Distinguish between the following.

Q. Land breeze and Sea breeze

Ans.

S. No.	Land breeze	Sea breeze
i.	This is produced from the land to the sea.	It is produced from the sea to the land.
ii.	It occurs at night.	It occurs during the day.

Q. Convection and Conduction

Ans.

S. No.	Convection	Conduction
i.	A method of heat transfers through fluids, i.e., liquids and gases.	A method of heat transfers through solids.
ii.	In convection, the transfer of heat is by the movement of the fluid itself.	In conduction, the transfer of heat is without movement of matter as a whole.

Q.2. What precautions should you take while reading a clinical thermometer?

Ans. (a) The reading should be taken by keeping the level of mercury along the line of sight.

(b) Before use, the mercury level should be below 35°C.

(c) Wash the thermometer with water or an antiseptic solution before and after use.

(d) Never hold the thermometer by the bulb while reading it.

(e) Handle the thermometer with care, it can break if hit against hard object.

Q.3. What precautions should you take while using a laboratory thermometer?

Ans. (a) Never hold the thermometer by the bulb while reading it.

(b) Wash the thermometer with water or antiseptic solution before and after use.

(c) While performing the experiment, don't touch the bulb of the thermometer with the wall of the beaker.

(d) Read the thermometer keeping the level of mercury along the line of sight.