

Aim:

To measure the amplitude of tides.

Materials required:

Graduated wooden pole

Meter scale

Procedure:

A long wooden pole is taken and it is graduated to centimetre using a meter scale. The wooden pole is then taken to the lagoon and fixed in the water. Care is taken to see that the wooden pole is fixed properly with the zero of the pole in line with the soil.

The initial level of water is noted in the tabular column and the temperature of the water is also measured with the help of thermometer.

The level of water is recorded at regular intervals of 1 hours in the tabular column. From the values, a graph is drawn to compare the change in the amplitude of waves with time.

Tabulation:

Time(24hrs)	Temperature( $^{\circ}$ C)	Amplitude(cm)