
CLASS:III BSc PHYSICS

COURSE NAME: WEATHER FORECASTING PRACTICAL

COURSE CODE: 17PHU511 A

BATCH-2017-2020

SOLAR RADIATION

AIM:

To analyses the total solar radiation in local climate condition.

APPARATUS:

Solar radiation, monitor, sensors.

PROCEDURE:

Connect the solar radiation monitor with the sensor and power supply.

Place the sensor in an open source in that the solar radiation falls directly on it.

Observe the reading on the monitor for every ten minute.

Tabulate the readings and plot the graph and draw the trend line and solve the equation

OBSERVATION:

TIME(minute)	Solar radiation (w/m^2)

RESULT:

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The solar radiation has been analyzed in the climatic condition.

WIND VELOCITY

AIM

To determine the value of wind velocity.

APPARATUS

Anemometer Cup, Stop watch.

PROCEDURE:

Place anemometer in open space with along and find it on the ground and leave it undisturbed.

When the wind blows the cups fixed along anemometer rotates along with of wind space.

Observe the reading on the observation table and plot the graph.

Tabulate the reading on the observation table and plot the graph.

OBSERVATION:

Time (minute)	Speed(km/hr)
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RESULT:

The total wind velocity has been determined