**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Country: \_\_\_\_\_\_\_\_\_\_\_\_**

**Practical 02**

**Material:** Psychrometer

1) Measure the air (dry and wet) temperatures in two places: under the sun and in the shadow. Try to choose places with the same land-use type.

1. temperature in sunny place dry: \_\_\_\_\_\_\_\_\_\_\_ wet:\_\_\_\_\_\_\_\_\_\_\_
2. temperature in shaded place dry: \_\_\_\_\_\_\_\_\_\_\_ wet:\_\_\_\_\_\_\_\_\_\_\_

2) Where should the relative humidity be higher? (5 points)

1. In the sunny place
2. In the shaded place
3. Similar in both places.

3) Using the given table, what is the relative humidity (percentage) in both sites?

1. relative humidity in the sunny place: \_\_\_\_\_\_\_\_\_\_\_ (%) (2 points)
2. relative humidity in the shaded place: \_\_\_\_\_\_\_\_\_\_ (%) (2 points)

Table to estimate relative humidity (%) using the wet bulb temperature (axis Y) and the difference between the dry and wet bulb temperatures (axis X).

 Dry bulb temperature minus wet bulb temperature

Wet bulb temperature (oC)