

Geography

Grade 11

Name:

Unit Test: Weather, Elements and Tools

This test is made up of two sections:

- 1.) Multiple Choice (5 pts)
- 2.) Structured Questions (22 pts)

Section 1: Multiple Choice

Select and click the letter that corresponds to the correct answer for each question. Each question is worth one (1) point each.

- 1.) Which of the following best describes climate?
 - a.) present atmospheric conditions
 - b.) annual weather conditions
 - c.) long term weather patterns
- 2.) What is a meteorological station?
 - a.) a stevenson screen station
 - b.) a weather station
 - c.) a sea and airport station
- 3.) Someone who studies weather is called a.....
 - a.) Meteorologist
 - b.) Geologist
 - c.) Cartographer

4.) Earth's atmospheric pressure has about _____ of nitrogen.

- a.) 1%
- b.) 21%
- c.) 78%

5.) What are the prevailing winds in The Bahamas?

- a.) Northeast Trade Winds
- b.) Trade Winds
- c.) Westerlies Winds

Section 2: Structured Questions

1.) How is the term weather different from climate? (1)

2.) Study Fig 1.1. Give the name of the instrument that is used to measure atmospheric pressure? (1)

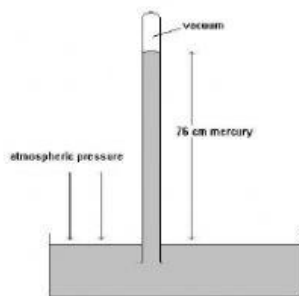


Fig.1

3.) When there is no change or difference of a temperature reading, it means the air is : (1)

4.) Study Fig 1.2, then answer the following questions.

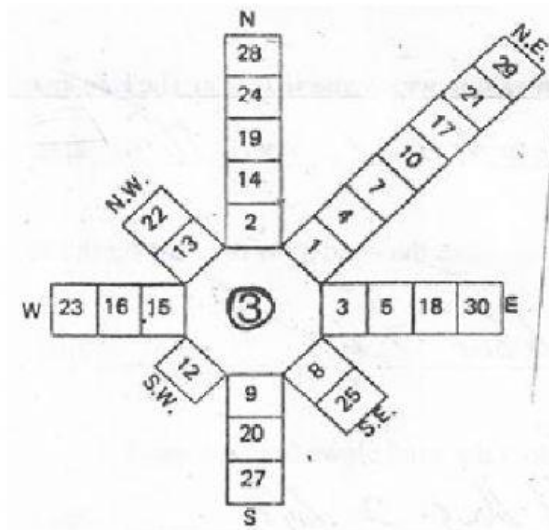


Fig 1.2

a. How many days does the wind blow in the Eastern direction? (1)

b. How many calm days are recorded for this period? (1)

5.) Using the information in the table below calculate the mean annual temperature for the stations shown. (All answers to be given °C) (4)

Station	J	F	M	A	M	J	J	A	S	O	N	D
Nassau,	21	23	24	25	26	26	27	29	28	25	22	21
Rock Sound	22	22	23	25	25	27	26	28	29	24	21	21
Georgetown	20	21	22	24	26	26	27	27	27	26	23	22

(i) Nassau _____

(ii) Rock Sound _____

(iii) Georgetown _____

(iv) Find the Annual Range in temperature for the Nassau station _____

6.) Convert 49 degrees F to Celsius. (2)

7.) In the space below explain how one type of rainfall occurs. (3)

8.) Study the readings of Fig. 1.3, then answer the following. (4)

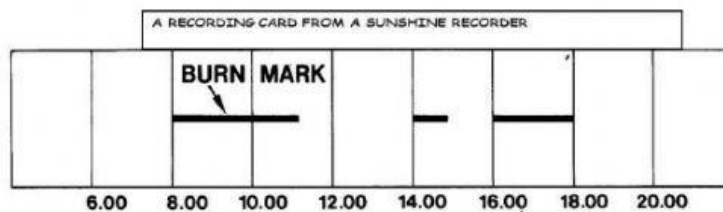


Fig.1.3

a. What hour did the sun rise?

b. How many hours did the sun shine?

c. When did sun set?

d. How many hours was the sun covered by clouds?

9.) Describe a cumulus cloud. Then state what type of weather is associated with this type of cloud. (2)

10.) On the spaces provided below, interpret the following from the station model. (2)



a. Cloud Coverage

b. Wind Speed
