



ANANDALAYA
PERIODIC TEST -1
Class : VII

Subject: Science
Date : 18-07-2022

MM : 30
Time: 1Hr 30 min.

General Instructions:

1. There are 15 questions in this question paper. All questions are compulsory.
2. Q. No. 1 to 6 are objective type questions and carry 1 mark each.
3. Q. No. 7 to 11 are short answer questions and carry 2 marks each.
4. Q. No. 12 to 14 are also short answer questions and carry 3 marks each.
5. Q. No. 15 is long answer question and carry 5 marks.

1. What is conduction of heat? (1)
2. Why does the mercury not fall or rise in a clinical thermometer when taken out from the mouth? (1)
3. For this question, two statements are given- one labeled **Assertion (A)** and the other labeled **Reason (R)**. Select the correct answer to this question from the codes (a), (b), (c) and (d) as given below: (1)
Assertion: Don't hold the thermometer by the bulb.
Reason: Handle the thermometer with care. If it hits against some hard object, it can break.
a) Both A and R are true, and R is the correct explanation of the assertion.
b) Both A and R are true, but R is not the correct explanation of the assertion.
c) A is true, but R is false.
d) A is false, but R is true.
4. Out of the given definitions, which one is the most appropriate definition of climate? (1)
(a) Changes in weather conditions in a year (b) Average weather pattern of many years
(c) Change in weather pattern in a few years (d) Weather conditions during summer
5. Given below are the images of two organisms. Write the mode of nutrition observed in each one. (1)



6. In the Biology lab, students were given two parasitic plants to observe and study. One was a total stem parasite and the other was a partial stem parasite. Which parasitic plants would have been shown to the students? (1)
7. (a) Find the least count of the given thermometer. (2)
(b) Write the reading shown in the laboratory thermometer in degree Celsius.



8. What is a land breeze? Explain how and when it happens. (2)
9. Lakshmi went to a wildlife sanctuary where she saw dense vegetation of trees, herbs, shrubs and also a variety of animals like monkeys, birds, elephants, snakes etc. What is the most likely location of this sanctuary? What kind of weather is found in this location? (2)
10. (a) How does the sun cause the change in the weather? (2)
(b) Describe the climate of polar regions. (any two features)
11. The animals living in rainforest adapt themselves to the climate present there. How are they adapted to there climatic conditions? (2)
12. Give any two reasons for each of the statements given below: (3)
a) Do not use a clinical thermometer for measuring the temperature of the boiling water.
b) If we keep our hands below the sides of a burning candle we do not feel as hot as at the top of the candle.
c) Inside the igloos it is comparatively warmer than outside the igloos.
13. A private zoo in tropical region thought of housing penguins to attract more tourists to its place. They arranged an artificial condition to keep them. (3)
(a) Do you think penguins will be able to survive? Why?
(b) What is the difference between the two habitats, i.e., where penguins live and where they will be shifted?
(c) What kind of artificial conditions will be needed to house penguins in tropical region?
(d) Do you agree with the steps taken by the zoo?
14. (a) What are stomata? (3)
(b) What is its location and function?
(c) Draw a diagram of stomata and label the following parts with their correct names.
(i) The cells that change their shape. (ii) The pores present between two cells.
15. Photosynthesis is performed by green plants. This process is the most essential chemical reaction involving various steps. (5)
(a) Why is this the most important chemical reaction in nature?
(b) Explain the process of photosynthesis briefly.
(c) Represent the photosynthetic process in the form of an equation.
(d) Name the product stored in plants.