

ST.ARNOLD'S CENTRAL SCHOOL, PUNE
TERM -1 EXAMINATION, 2018-19
SUB-SCIENCE

STD-VII

MM:80

Q 1. Fill in the blanks.

(1x8=8)

- a) Branchy part of a tree above the stem is known as the _____ of the tree.
- b) _____ soil is used to make pots, toys and statues.
- c) The gas which escapes out from many aerated soft drinks is_____.
- d) Wool is _____ conductor of heat.
- e) _____ obtain food from dead and decaying matter.
- f) The long tube that connects mouth to stomach is called_____.
- g) Winds are generated due to _____heating on earth.
- h) The average weather taken over a long period of time is called_____.

Q.2 Match the following.

(1/2x6=3)

- | A | B |
|-------------------------|--------------------------------|
| a. Anemometer | i) 35 C to 42 C |
| b. Natural Indicator | ii) Carries water to leaves. |
| c. Xylem | iii) Carries food from leaves. |
| d. Phloem | iv) Measures wind speed. |
| e. Cellulose | v) Lichen |
| f. Clinical Thermometer | vi) Digested by ruminants |

Q.3 Give two examples for the following.

(1x3=3)

- a) Bases
- b) Crops grown in clayey soil
- c) Types of teeth

Q.4 Define

(1x5=5)

- a) Nutrition
- b) Percolation

c) Selective breeding

d) Assimilation

e) Temperature

Q. 5 Give reasons.

(2x5=10)

a) "The Tropical rainforest has large population of animals".

b) Plastic and polythene pollute the soil.

c) Forests prevent flood .

d) We get hiccups when we eat food in hurry.

e) Wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing. Why?

Q.6 Distinguish between the following.

(3x3=9)

a) Weather and climate.

b) Autotrophs and heterotrophs.

c) Acid and Base

Q.7 Short answer question.

(2x8=16)

a) Look at the figure and answer the following questions.

i. Identify the type of heat transfer in the figure.

- ii. Give an example of this heat transfer.
- b) Explain the role of forest in maintaining the balance between oxygen and carbon dioxide in the atmosphere.
- c) Explain briefly the structure of cell.
- d) Bhoojo has lemon juice in a beaker. He wants to show neutralization reaction. Which substance should be added to the beaker. Write the chemical reaction.
- e) In the given sample it took 10 min to percolate 300 ml of water. Calculate the rate of percolation.
- f) Raju is going to visit a place where storm and lightning are very common. What precautions should he take?
- g) Explain how plants take in carbon dioxide through stomata.
- h) While going on a picnic, seeing a new township with many high rise buildings, the teacher remarked that 10 years back, this place was full of trees. What are the (any 2) consequences of this situation? Why is it important to have trees in our surrounding?

Q.8 Long answer question.

(5x4=20)

- a) Describe the life cycle of silkworm with well labeled diagram.
 - b) Describe the various adaptations made by polar bear. How do these adaptations help them survive in extreme cold condition?
- OR
- b) Explain the various features in lion tailed macaque.
 - c) What is cyclone? Explain with the help of flow chart the formation of cyclone.
 - d) Explain an activity to show air exerts pressure.

Q.9 Draw and label.(Any-2)

(3x2=6)

- a) The process of sericulture
- b) Digestive system of ruminants
- c) Soil Profile

