



# ITL PUBLIC SCHOOL SECTOR – 9, DWARKA

SESSION 2014 -2015  
SUMMATIVE ASSESSMENT I  
Answer key

CLASS: IV  
TIME: 2 Hrs.

DATE: 19.09.2014  
SUBJECT: Science  
M.M: 60

## Q.1 Choose the correct option-

1x10= 10

1. Which of the following is not required for photosynthesis?  
a) **Oxygen**                      b) Carbon dioxide                      c) Sunlight                      d) Water
2. \_\_\_\_\_ is the stem part of the plant that stores food.  
a) Carrot                      **b) Sugarcane**                      c) Cabbage                      d) Turnip
3. Which of these is a conifer?  
a) Teak                      b) Kendelia                      **c) Spruce**                      d) Neem
4. \_\_\_\_\_ is not a medicinal plant.  
a) Cinchona                      b) Eucalyptus                      c) Tulsi                      **d) Peepal**
5. Which of these is not required for the formation of bones?  
a) **Vitamin A**                      b) Calcium                      c) Vitamin D                      d) Phosphorus
6. \_\_\_\_\_ disease is caused by a fungus.  
a) Cholera                      **b) Ringworm**                      c) Polio                      d) Malaria
7. \_\_\_\_\_ teeth are used for biting into an apple.  
a) Canines                      b) Molars                      **c) Incisors**                      d) Premolars
8. Which of the following attacks silk clothes?  
a) Housefly                      b) Butterfly                      c) Birds                      **d) Moth**
9. \_\_\_\_\_ contain harmful chemicals that that can be poisonous, if consumed.  
a) **Pesticides**                      b) Orange juice                      c) Toothpaste                      d) Mustard oil
10. \_\_\_\_\_ is an inflammable substance that should not be stored in the kitchen.  
a) Refined oil                      **b) Petrol**                      c) Water                      d) Sand

## Q.2 Give the scientific term for the following-

1x4=4

- a) A green pigment in leaves that can trap sunlight- **Chlorophyll**
- b) The process of breaking down of complex food into simple and soluble form- **Digestion**
- c) Tiny living things that can be seen only through a microscope- **Microbes**
- d) The process of cleaning clothes using certain chemicals instead of water- **Dry cleaning**

## Q.3 Define the terms-

1x5=5

- a) First aid- **The immediate help or attention given to an injured person**
- b) Plaque- **A sticky yellow layer** formed on teeth **due to rotting food and germs**

- c) Balanced diet- A diet that contains all the nutrients in right amount along with roughage and water  
 d) Adaptation- The process of developing special features by living things in order to survive.  
 e) Bleaching- The process of removing green colour from the leaf.

**Q.4 Give reason-**

1x5=5

- a) Croton leaf has chlorophyll but it appears dark red in colour. Because its leaves contain a red pigment which hides green colour.  
 b) Plants like, tape grass are grown in aquariums. Because they take in CO<sub>2</sub> released by aquatic animals and give out oxygen.it is an underwater plant.  
 c) Dentists advise to chew raw fruits and salads. To improve the blood flow to the gums/ provide exercise to gums/helps teeth to come out easily/ make teeth and gums strong and healthy.  
 d) We wear waterproof clothes during rainy season. Because they do not absorb water and keep us dry.  
 e) In case of snake bite, a tight bandage should be tied between the wound and the heart. To slow down the spread of poison in the body.

**Q.5 Correct the given statements and then rewrite them-**

5

- a) During photosynthesis, food is prepared in the form of starch. Sugar/ glucose  
 b) Sheesham is an evergreen tree. Rubber is an evergreen tree./ Sheesham is deciduous tree.  
 c) There are 24 teeth in a temporary set of teeth. 20  
 d) Acrylic is a natural animal fibre. Silk or wool is natural animal or acrylic is synthetic fibre.  
 e) Water is used to put out fire due to electrical faults. Sand

**Q.6 Answer in short-**

2x11= 22

- a) Human beings are cutting trees indiscriminately. Even though tiger is not herbivore, it finds fewer and fewer deer to hunt. Can you tell why? What value do you learn from this incident?  
Ans. Deer is herbivore which does not get food when plants are cut. So they start dying and hence tiger is not getting enough food. We should not cut trees and plants without thinking . it destroys their habitat or animals don't get food

- a) Write two functions of veins in a leaf. Ans 1. They carry water and mineral to different parts of leaf.  
2. They carry food prepared by leaf to stem. They give shape and support to the leaf.

- c) 1. Name the type of plants seen here. Mangroves  
 2. Mention one adaptive feature of these plants. Breathing roots above the soil



- d) Ria went to Mussoorie (a hill station) during her summer vacation. The plants she observed there were different from that of Delhi. Write **any two special features** of the plants that she saw there.

Ans, The trees were tall and straight / Leaves were needle like with waxy coating / Seeds in cones instead of flowers

- e) Why do we need to cook food?

Ans Cooking makes the food Soft, Tasty, Easy to digest and Kills germs. (0.5 for each)

- f) What happens to the food in the mouth?

Ans. Food is chewed into smaller pieces and starch is digested by saliva.

- g) "All microbes are not germs." Do you agree with this statement? Give a suitable example to justify your answer.

Ans. Yes. Yeast is a useful fungus for making breads and cakes./ Useful bacteria converts milk into curd.

- h) Identify the teeth and write its function.



Ans Canine for tearing food like flesh

i) Parul doesn't brush her teeth regularly and thus got a cavity in her premolar. Initially there was no pain but now she experiences severe tooth ache. Can you tell her why?

**Ans earlier cavity was in enamel only. Cavity reaches pulp which has nerves thus she feels pain.**

j) Look at the following picture and write the name of this plant. How does it get its nutrition?

**Ans. Mushroom- It gets its nutrition from the dead and decaying plants and animals.**



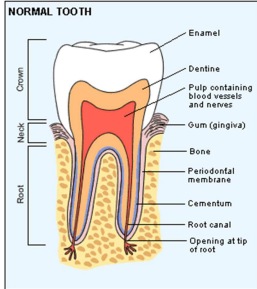
k) What first aid would you provide to a person who has fainted and why?

**Ans keep the head lower than rest of the body so that more oxygen can reach the brain through blood.**

**Q.7 Answer in detail-**

**3x3=9**

a) Draw a neat diagram for structure of a tooth showing its three layers.



b) How is lotus plant able to survive in pond water? Explain.

**Ans Lotus has long, hollow, flexible stem which can bend easily in the direction of flowing water.**

**Leaves and flower are broad with waxy coating to prevent damage by water**

**Stomata are present on upper side of leaf to prevent blocking of pores**

c) Raju's clothes caught fire. He got panic and started running. Is he right? Why or why not? Write 2 safety measures that he should follow in such a situation.

**Ans No, he is not right. As running would fan the fire.**

**He should cover his face with his hands and drop to the ground.**

**He should roll on the ground to cut off air supply and put out fire.**