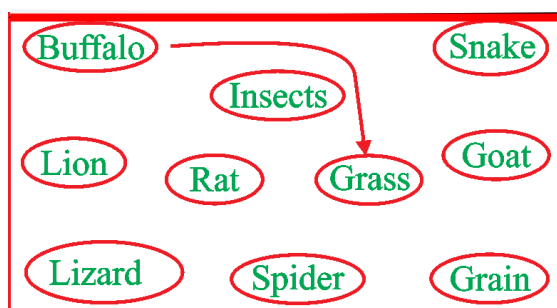


SBOA SCHOOL AND JUNIOR COLLEGE CHENNAI - 101
CLASS VI –SCIENCE
HIGHER ORDER THINKING QUESTIONS

1. Renu wanted to know the type of roots that the plants have. Does she have to pull out the plant from the soil to know what type of root it possesses? Can you suggest some other method to know the type of roots the plant have ?

2. Connect the animal with the food it eats by an arrow using different colours in Fig. One is done for you.



3. Classify the following as carbohydrate rich, protein rich and fat rich foods and fill them in the given table.

Moong dal, fish, mustard oil, sweet potato, milk, rice, egg, beans, butter, butter milk (chhachh), cottage cheese (paneer), peas, maize, white bread.

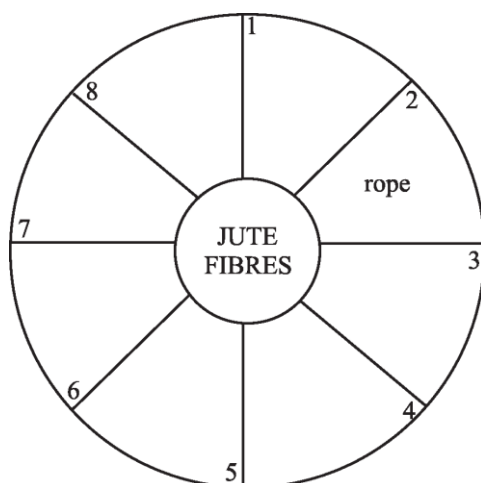
| Carbohydrate Rich Food Item (A) | Protein Rich Food Item (B) | Fat Rich Food Item (C) |
|------------------------------------|-------------------------------|---------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |

4. Observe the items given in Fig. carefully and answer the questions that follow.



- (a) Food item rich in carbohydrates is _____ .
- (b) Egg is a rich source of protein, the mineral _____ and vitamin _____.
- (c) _____ is a rich source of fat.
- (d) Milk provides _____, vitamin D and _____ (mineral)
- (e) _____ (fruit) is a rich source of vitamin A.
- (f) Spinach is a good source of the mineral _____ .
- (g) Both eggs and _____ are rich in _____ .

5. Complete the circle with useful items made from jute fibres .One such example is given.



6. During summer holidays, a group of children collected a lump of salt, green grass, broken glass piece, a small thermocol box, pen, iron nail, glass marbles, hair, naphthalene ball, a piece of sugar candy (mishri) and tried to group them on the basis of properties given in the Table .

| Name of the Material | Appearance Hard/Soft | Transparency (Transparent/ Translucent/ Opaque) | Floats/ Sinks in the Water | Soluble/Insoluble In the Water |
|----------------------|-------------------------|--|----------------------------------|-----------------------------------|
| | | | | |

7. Mr. Peter fell off from a tree and hurt his ankle. On examination the doctor confirmed that the ankle was fractured and even the longest bone in his body also fractured.

(a) How was it detected?

(b) Name the longest bone in our body and where is it located?

8. Look at the diagrams which show three situations

(a) a burning candle

(b) an extinguished candle

(c) melting wax.



Which of these shows a reversible change and why?

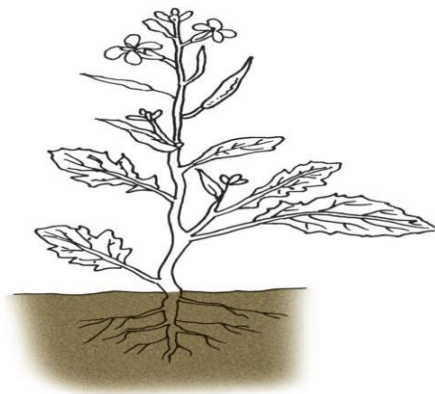
9. Read the functions of a plant given below and label the parts related to the function

(a) fixes plant to the soil

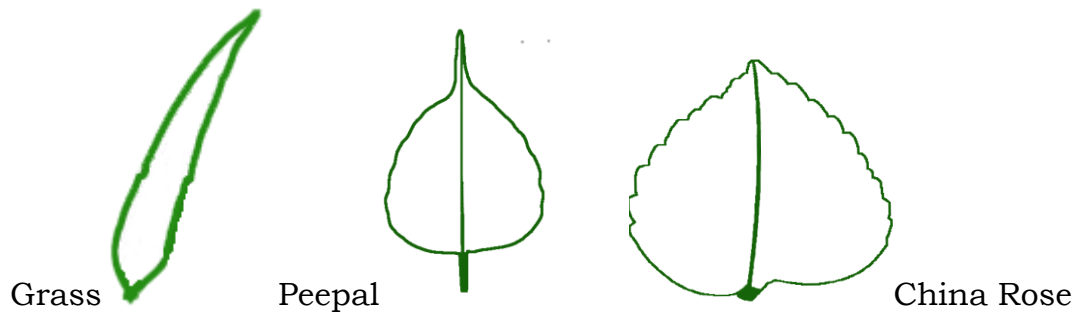
(b) prepares starch

(c) takes part in reproduction

(d) supports branches and bears flowers



10. Draw the veins in the given diagram and write the type of venation present in it.



11. Observe the picture of an activity given and answer the following:



- Which process is demonstrated in the activity?
- When will this activity show better results – on a bright sunny day or a cloudy day?
- What will you observe in the polythene bag after a few hours of setting up the activity?
- Mention any one precaution you must take while performing this activity.
- What should be done for the bud to bloom ?

12. A thick coating of a paste of plaster of paris is applied over the bandage on a fractured bone. It becomes hard on drying to keep the fractured bone immobilised ? Why is it done so ? Justify.

13. After the games period , you come back to the classroom and sit under a fan, you feel cool and comfortable . Why?

14. What is Obesity ? Suggest some tips to avoid obesity .

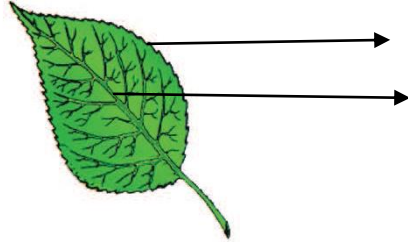
15. Assume that you are taken for a visit to a forest as part of your Educational Tour. List out the kinds of plants you have seen there.

16. You dropped your favourite toy and broke it. This is a change that you don't want. Can this change be reversed ?

17. Draw a neat labelled diagram of a flower and identify the male and female reproductive parts of it.

18. Anu visited a garment factory. Explain the process of making yarn from fibre. What type of process is involved in fabric making?

19.



(i) Name the plant part you see in above diagram and write its function.

(ii) Name the type of venation found in it.

20. After checking the weight of Seema the doctor advised her not to eat fast food.

(a) Why did the doctor say so?

(b) In what way you can help Seema to avoid fast food?

(c) What kind of problem she would face if she does not stop?