

General Instruction:

1. This question paper contains 26 questions. All questions are compulsory.
2. Marks of each question are indicated against it.
3. Try to attempt questions in given serial order only.
4. Leave space after each answer.
5. Draw neat labeled diagrams wherever required.

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1. Answer the following questions : (1x8)
 - 1.1. Roma's mother went to the market to buy fruits & vegetables. Which method she should use to select best vegetables & fruits?
 - 1.2 Honeybees work hard to collect nectar from flowers. Why do they collect nectar?
 - 1.3 During cooking, which vitamin gets easily destroyed by heat?
 - 1.4 How can we help Sonia to separate a mixture of sand & water?
 - 1.5 Mohan goes to see the republic day parade with his father. He is very happy to see the soldiers marching in harmony. Which type of motion soldiers are doing in the parade show?
 - 1.6 Which vitamin is required for maintaining good eyesight ?
 - 1.7 What is the SI unit of length?
 - 1.8 Ram loves to eat rice. He is eating it twice a day since last 3 days. Which nutrient is he consuming in excess?
 2. Some plants have two or more edible parts. Comment on the statement with examples. (2)
 3. Give two cooking practices that lead to loss of nutrients in food materials. (2)
 4. The neck of a person appears to be swollen. Name the deficiency disease he/she is suffering from. What is the cause of this disease? (2)
 5. Bones cannot be bent. So how do we bend our elbow? (2)
 6. Why fruits and vegetable shouldn't be washed after cutting them? (2)
 7. Classify the following into lustrous and non-lustrous materials: (2)
 - a) Gold chain
 - b) Plastic bottle
 - c) Cotton shirt
 - d) Aluminum rod
 8. Why are the handles of cooking utensils made up of hard plastic or wood ? (2)
 9. What happens when you pour refined oil in water kept in a glass? Comment ! (2)
 10. We put some sugar in a glass of water and stir. After some time, it disappears. (2)
 - a) Why did sugar disappear in water
 - b) What do we learn from this property of sugar which gets mixed in water.
 11. Name the part of the plant which produces its food. Name this process. (2)
 12. Can the stem of a plant be compared with a street with two way traffic? Give reason. (2)
 13. Enlist two reasons why we need to separate different components of a mixture ? (2)
 14. While measuring the length of a paper clip on a scale, the reading at one end is 1.0 cm and at the other end is 4.3 cm. what is the actual length of the paper clip. (2)
 15. Which component of food may be lacking in the diet of following people: (3)
 - 1) A child suffering from Rickets.
 - 2) A child suffering from Anemia
 - 3) A child suffering from scurvy
 16. Can water dissolve any amount of a soluble substance ? Explain . (3)

17. How do we get water from a salt solution? (3)
18. What are the types of venations in leaves? Describe with the help of diagram. (3)
19. Two muscles have to work together to move a bone. Justify it (3)
20. How can we measure the length of a curved line ? (3)
21. Ravi was riding on his bicycle along a straight road. He classified the motion of various parts of the bicycle as rectilinear motion, circular motion and both rectilinear as well as circular motion. Can you list one part of bicycle for each type of motion? (3)
22. How do we separate a mixture of salt & sand ? (5)
23. Describe the Structure of flower with a well labeled diagram. (5)
24. Mention five symptoms which a person is likely to suffer from if he is not getting enough proteins in his diet for long time. (5)
25. Which part of our body has the following joints: (5)
 - a) Ball & socket joint
 - b) Pivotal joint
 - c) Hinge joint
 - d) Fixed joint
 - e) Immoveable joint
26. a) How can you test whether a given food material contains starch or not! (5)
b) Dietary fibers and water are the food component that do not give us energy but are essential for our diet. Why?