

**SAMPLE PAPER (TERM-I)**  
**SESSION 2019-20**  
**CLASS VI**  
**SUBJECT-SCIENCE**

**Time: 3 Hours**

**Maximum marks: 80**

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**General Instructions:**

- (i) The question paper comprises of two sections, A and B. You are to attempt both the sections.
- (ii) All questions are compulsory.
- (iii) All questions of Section-A and B are to be attempted separately.
- (iv) There is an internal choice in three questions of five marks each.
- (v) Question numbers 1 and 2 in Section A are one mark question. They are to be answered in one word or in one sentence.
- (vi) Question numbers 3 to 5 in Section A are two marks questions. These are to be answered in 30 words each.
- (vii) Question numbers 6 to 15 in Section A are three marks questions. These are to be answered in about 50 words each.
- (viii) Question numbers 16 to 21 in Section A are five marks questions. These are to be answered in 70 words each.
- (ix) Question numbers 22 to 27 in Section B are activity based questions. Each question is a two marks question. These are to be answered in brief.

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**SECTION-A**

- 1. Which part acts as the negative terminal of an electric cell? (1)
- 2. Name the plant from which linen is obtained. (1)
- 3. Write any one difference between scavengers and decomposers. Give an example of each. (2)
- 4. Mohit, Rohan and Ravi have to dissolve maximum amount of sugar in the same amount of milk so as to win a game. Ravi took hot boiling milk while Rohan took ice cold milk. Mohit managed to get milk at room temperature. Whom do you think would win the game and why? (2)
- 5. Draw the symbols for the following electric components. (2)
  - (i) Battery
  - (ii) Switch in 'OFF' Position
- 6. What is the purpose of separating components of a mixture? Write any three points giving one example each. (3)
- 7. What are deficiency diseases? Which component of food may be lacking in the diet of the following people? (3)
  - (a) A child suffering from Kwashiorkor.
  - (b) A person suffering from Scurvy.
  - (c) A person suffering from Rickets.
  - (d) A person suffering from Anaemia.

8. On a sunny morning, Abhishek was asked to observe the shadow of a tree on the ground and the image of the tree on the screen of a pinhole camera. Write any three differences which he could observe in the shadow and the image formed. (3)
9. Write any two differences between reticulate and parallel venation. Give an example of each type. (3)
10. (i) Why iron is made red hot for making different tools by a blacksmith? What type of change takes place in iron in this situation? (1+2=3)  
(ii) Explain how he would fix wooden handle of hammer into its iron blade?
11. Compare cotton and wool fibres under the following heads (3)  
(i) Source of fibre  
(ii) Methods used to make fabric from yarn  
(iii) Hand operated device used to make fabric from yarn
12. Both conductors and insulators play an important role in electrical circuits. Justify this statement by giving two suitable examples. (3)
13. Classify the following as reversible or irreversible change. (0.5 X6=3)  
(i) Souring of milk.  
(ii) Grinding of grain.  
(iii) Melting of ice candy.  
(iv) Boiling of egg.  
(v) Folding of paper.  
(vi) Batter to Idli
14. Give reasons for the following (1X3=3)  
(i) Fats are called energy stores of the body.  
(ii) Farmers remove weeds from their crop field.  
(iii) Shadow of the object is smaller in the afternoon.
15. Mention any three ways by which nutrients are lost in the process of cooking and preparations. (3)
16. (i) How a saturated solution of salt in water is prepared? (2+3=5)  
(ii) Draw a flowchart to separate a mixture of sand and salt from its mixture.
- 17(i) (i) Why we cannot easily pull out the plants from soil? (1x5=5)  
( (ii) Which root system lacks the primary root?  
(( (iii) What is the relationship between the root system and the venation of leaf?  
( (I (iv) Name the structure that allows exchange of gases in leaves.  
(v) Why leaf plucked from a plant kept in sunlight shows a positive test for starch?
- 18(i) (a) (i) Classify the following objects or materials as opaque, transparent, translucent. (3+2=5)  
Air, Water, A wooden board, Fog, A wall, Butter paper.  
(b) Write any two characteristics of an image formed by plane mirror.
19. (a) Name the process of separation in each case. (3+2=5)

- (i) Rice flakes and Corn.
- (ii) Iron nails mixed with sand.
- (iii) Butter from milk.
- (iv) Flour with bran.
- (v) Tea leaves from tea.
- (vi) Lady's finger mixed with french beans.

(b) Write any two differences between filtration and sieving.

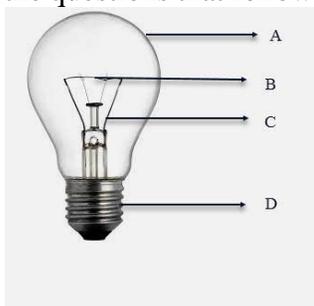
(3+2=5)

**OR**

- (i) Define winnowing. State its principle and give an example of where is it used?
- (ii) Mention any two situations where hand picking can be used conveniently for separating substances.

20. Observe the figure and attempt the questions that follow it.

(2+1+2=5)



(i) Identify and name the parts A, B, C, and D in the diagram.

(ii) What is part B shown in the above diagram made up of?

(iii) Write the function of part B and C shown in the above diagram.

(2+3=5)

**OR**

a. You are provided with a bulb, a cell, a switch and some connecting wires. Draw a circuit diagram to make bulb glow.

b. A torch is not functioning, though contact points in the torch are in working condition. What can be the possible reasons for this? Mention any three.

21.

(3+2=5)

(a) Draw the structure of flower and label the following:

(i) Male reproductive part of the flower.

(ii) Part of the flower that is brightly colored.

(b) (i) Which part of the flower keeps it attached to the stem of the plant?

(ii) In which part of the flower will you find the ovary?

(3+2=5)

**OR**

(a) (i) Explain why stem is considered as two way street.

(ii) State any one difference between node and inter node.

(b) Write any two differences between Herbs and Shrubs

### **SECTION-B**

- 22.** Rahul took a medium size potted plant that has been growing in the sun and enclosed a leafy branch of the plant in a polythene bag. He tied up the mouth of another empty polythene bag and kept it also in the sun. (2)
- a.** Which process is shown in the above experiment?
  - b.** What Rahul will observe after few hours on the inner surface of the bags?
- 23.** Riya took some dry seeds of moong and kept it in a container filled with water for a day. Next day, she drained the water completely and wrapped the seeds in a wet cloth. (2)
- a.** What changes will Riya observe in the seed next day?
  - b.** Why she has wrapped the seeds in a wet cloth?
- 24.** Rajat has taken a piece of cotton yarn and a silk yarn and held the other end of the yarn over the flame of the candle one by one. (2)
- a.** What Rajat will observe when he held the cotton yarn over the candle flame?
  - b.** What type of odour is given off by silk when held over the candle flame?
- 25.** Ruhi has mixed oil and water accidentally and got a mixture of oil and water. She wishes to use oil and water separately to conduct an experiment. (2)
- a.** Name the technique that she can use for separating oil and water from their mixture.
  - b.** Write the principle of the technique used for separating oil and water from their mixture.
- 26.** Rohan took a long rubber tube and held the rubber tube straight to see the candle. He was able to see the candle flame. He then bent the rubber tube and tried to see the candle again. (2)
- a.** What will be Rohan's observation when he bent the rubber tube?
  - b.** Which luminous object is used by Rohan in the above experiment?
- 27.** Reena added a set of chemicals to a test tube containing egg white. On the addition of chemicals, egg white turned violet. (2)
- a.** Name the chemicals used by Reena in the above activity.
  - b.** Which nutrient is tested by Reena in the above experiment?