

Vikas Bharati Public School
SAMPLE PAPER (Session 2025-2026)

Class: VI
Subject: Science

Time : 2 Hours 30 minutes

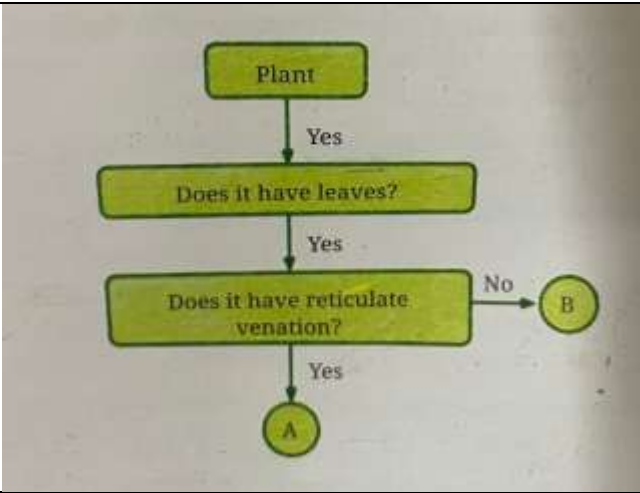

M.M : 60

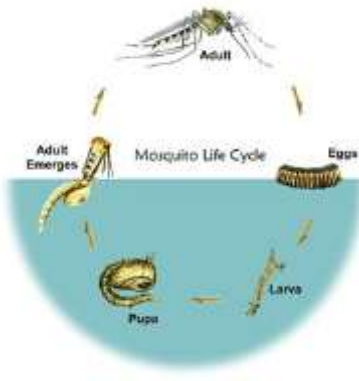

- Note:** 1. This question paper contains 5 printed pages and 22 questions.
2. Read the instructions carefully before attempting all the sections.
3. Over attempted questions will not be evaluated.
4. For multiple choice questions, both the option number and the statement must be written.

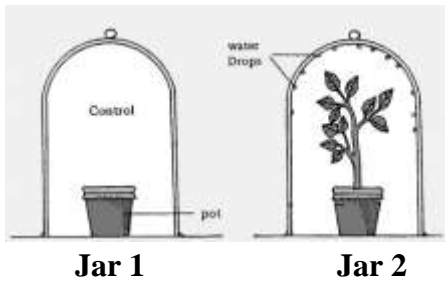
| <u>SECTION-A</u> | | | |
|-------------------------|-----------|---|----------|
| 1. | a) | Paheli moves on a straight road from point A to point C. She takes 20 minutes to cover a certain distance AB and 30 minutes to cover the rest of distance BC. She then turns back and takes 30 minutes to cover the distance CB and 20 minutes to cover the rest of the distance to her starting point. She makes 5 rounds on the road the same way. Paheli concludes that her motion is- (i) only rectilinear motion (ii) only periodic motion (iii) rectilinear and periodic both (iv) neither rectilinear nor periodic | 1 |
| | b) | Rani saw a seed, a cloud, a mushroom and bacteria in her Science book. She wanted to identify which one does not show any sign of life. Which should she choose? (i) Seed (ii) Cloud (iii) Mushroom (iv) Bacteria | 1 |
| | c) | The Chandrayaan mission was launched to collect information about craters, rocks and soil of a celestial body to help scientists study its surface. Which celestial body was it? (i) Sun (ii) Moon (iii) Mars (iv) Space station for humans | 1 |
| | d) | A watermelon plant spreads along the ground and grows long stems that creep on the soil. Which category of plant does it belong to? (i) tree (ii) climber (iii) shrub (iv) creeper | 1 |
| | e) | A student wants to find the direction at night using a star that always stays in the same position in the sky. Which star should he use? (i) Mercury (ii) Pluto (iii) Jupiter (iv) Dhruva tara | 1 |
| | f) | 5 kilometres are equal to (i) 5,00,000 metre (ii) 50,000 metre (iii) 5,000 metre (iv) 500 metre | 1 |



| | | | |
|-----------|-----------|--|----------|
| | g) | A bag of wheat is grown in a village, stored, ground in a mill, transported to a shop and finally reaches our plate as chapatti. This whole journey of wheat is called: (i) Food web (ii) Food chain (iii) Food mile (iv) Nutrient cycle | 1 |
| | h) | Which feature of the Sun makes it a star and not a planet? (i) It has a circular shape (ii) It produces its own heat and light (iii) It is very far away from the Earth (iv) None of these | 1 |
| | i) | Which of the following is a characteristic of all living organisms? (i) Ability to move from place to place (ii) Ability to breathe using lungs (iii) Ability to grow and reproduce (iv) Ability to make their own food | 1 |
| | j) | Which situation shows no motion ? (i) A flying kite (ii) A book kept on a table (iii) A spinning top (iv) A walking person | 1 |
| 2. | | Fill in the blanks: (i) Plants which have two cotyledons in their seed are called _____. (ii) When distance is stated with respect to a fixed object or point, then this point is called a _____. (iii) Millets are also known as _____. | 3 |
| 3. | | Correct the underlined word/digits and <u>rewrite the complete statement-</u> (i) The motion of an apple falling from a tree is an example of an <u>oscillatory</u> motion. (ii) <u>Germination</u> is the process by which living organisms get rid of the wastes produced in their body. | 2 |
| 4. | | Give one word/term for the following: (i) Motion that repeats itself after some period of time - (ii) CNG can be expanded as - (iii) The circulation of water between the Earth surface and atmosphere is known as - (iv) The special features that enable plants and animals to survive in a particular region - | 4 |
| 5. | | Give reason- Respiration is essential for living organisms. | 1 |
| | | <u>SECTION-B</u> Note : Attempt any SIX questions. | |
| 6. | | Differentiate between tap root and fibrous root with the help of a diagram. | 2 |
| 7. | | Analyse the flowchart. What can be examples of A and B? | 2 |

| | | | |
|-----|--|---|-------|
| | |  <pre> graph TD Plant[Plant] -- Yes --> Q1{Does it have leaves?} Q1 -- Yes --> Q2{Does it have reticulate venation?} Q2 -- Yes --> A((A)) Q2 -- No --> B((B)) </pre> | |
| 8. | | <p>During a science activity, three students measured the length of the classroom using different methods:</p> <ul style="list-style-type: none"> • Aditi used footsteps • Rohit used a measuring tape • Kunal used handspan <p>a) Who is likely to get the most accurate measurement? b) Why are the other methods less reliable?</p> | 2 |
| 9. | | <p>(i) Can an object show more than one type of motion at the same time? Give one example.</p> <p>(ii) If Earth stopped rotating, what would happen?</p> | 1+1 |
| 10. | | <p>Rama feels pain and swelling in her gums. She also noticed that the gums start bleeding when she was brushing her teeth.</p> <p>Write the name of the deficiency disease she might be suffering from. Also write the name of the deficient nutrient.</p>  | 2 |
| 11. | | <p>(i) Venus is hotter than mercury although it is farther from the Sun. Why?</p> <p>(ii) Define satellite.</p> | 1 + 1 |
| 12. | | <p>A family uses solar panels to generate electricity, a gas stove to cook food and a windmill for pumping water from a well. What would happen if there were no sunlight for a week?</p> | 2 |
| | | <p><u>SECTION-C</u></p> <p>Note: Attempt any FOUR questions.</p> | |
| 13. | | <p>(i) You have learnt that a tail is present in a tadpole but it disappears as it grows into a frog. What is the advantage of having a tail in the tadpole stage?</p> <p>(ii) List any two activities that are possible due to presence of air.</p> | 1+2 |

| | | |
|-----|--|------|
| 14. | <p>(i) Observe the picture given below showing the life cycle of a mosquito.</p>  <p>a) Name the stage of a mosquito that changes into adult. b) Why should stagnant water not be allowed to collect around houses?</p> <p>(ii) State two precautions, which should be taken while using a metre scale to measure the length of an object.</p> | 2 +1 |
| 15. | <p>(i) Which of the following things in the list are non-living? laptop, cactus, snake, washing machine, pigeon</p> <p>(ii) What is rainwater harvesting? Describe the method of rainwater harvesting.</p> | 1+ 2 |
| 16. | <p>(i) Do older people, even when healthy, generally have lower body temperatures than young adults? Give reason for your answer.</p> <p>(ii) Seeds remain inactive for a long time but grow into plants under suitable conditions. What does this show about seeds being living or non-living? Explain.</p> | 1+ 2 |
| 17. | <p>The diagram shows a thermometer placed in a liquid. Observe it and answer the following:</p> <p>a) What is the temperature of the liquid in $^{\circ}\text{C}$? b) If the temperature of the liquid rises by 10°C, what will be the new reading on the thermometer? c) Convert 30°C into K.</p>  | 3 |
| | <u>SECTION-D</u> | |
| | Note: Attempt any THREE questions. | |
| 18. | <p>(i) Plastic waste is thrown into a pond. How does this affect nature's treasure and living organisms? Write any two points.</p> <p>(ii) It is difficult to regrow forests. Justify this statement.</p> | 2+2 |

| | | | |
|-----|--|--|-------|
| 19. | | <p>(i) What is circular motion? Give an example.</p> <p>(ii) Mention the factors on which rate of evaporation depends. (Give three points)</p> | 1+3 |
| 20. | | <p>(i) Give reason for the following-</p> <p>a) We feel cooler if we sit under a fan.</p> <p>b) A person should eat a balanced diet.</p> <p>(ii) Akansha is 13 cm taller than Ananya. If the height of Ananya is 1578 mm, then find the height of Akansha in mm.</p> | 2+2 |
| 21. | | <p>The students of class VI performed an experiment as depicted in the given image. They took two pots- one empty and one containing a plant. They covered both the pots with a glass jar. Observe the given image and answer the questions.</p> <p>(i) Which jar is expected to contain water droplets on the inner surface?</p> <p>(ii) Name and define the process responsible for the formation of water droplets.</p> <p>(iii) How does this process help a plant?</p> <div style="text-align: center;">  </div> | 4 |
| | | <p><u>SECTION-E</u></p> <p>Note : Question 22 is compulsory.</p> | |
| 22. | | <p>In the small village of Haritpur, students were curious about how different materials we use every day come from nature. During a school field trip to a nearby forest and a small quarry, they observed many things:</p> <ul style="list-style-type: none"> The forest had tall trees, creepers, various animals, birds, and many medicinal plants. Near the edge of the village, there was a small stone quarry where workers were extracting rocks and minerals like limestone and sandstone. The teacher explained that rocks and minerals are non-living treasures of Earth. A mineral is a naturally occurring, inorganic (not from living things) solid found in the Earth. The forests provide wood, oxygen, medicine, and habitat for many organisms. On the way back, they saw a few workers cutting large stones without protective gear, and some villagers cutting trees for firewood. The class began discussion about the following: <ol style="list-style-type: none"> Importance of forests and minerals Effect of human activities on forests and minerals Sustainable ways to use these resources. <p>Now answer the following questions-</p> <p>a) Define minerals and list two uses of minerals observed during the field trip.</p> <p>b) What are the major benefits of forests mentioned in the case study?</p> <p>c) Discuss one negative effect of cutting trees for firewood, and propose a better alternative.</p> | 2+1+1 |

