



DELHI PUBLIC SCHOOL, GWALIOR
MODEL TEST PAPER
CLASS – VI
SUBJECT – SCIENCE

Time: 03 hrs.

M.M. : 80

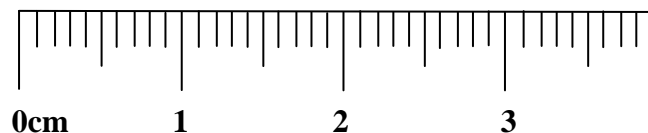
General Instructions:

1. All questions are compulsory.
2. Wherever necessary, the diagram drawn should be neat and properly labeled.
3. This question paper consists of three sections A, B & C.

Section A – Physics

Answer the following questions:

- Q1. Earthen Kulhars were used to sell tea and coffee at railway stations which are now strictly banned. What do you think would be the reason?
- Q2. What type of motion do the following exhibit?
- a) A honey bee flying in the garden.
 - b) Wheel of a moving car.
 - c) Needles of a clock.
 - d) A child on a swing.
- Q3. Why are handles of cookwares made of plastic or wood?
- Q4. Differentiate between rest and motion.
- Q5. Convert:- (i) 4 hours into seconds
(ii) 5 grams into kilograms.
(iii) 3.5 km into meters.
- Q6. How do magnets lose their properties?
- Q7. Use the ruler and line to answer the questions.
- Tier 1: What is the length of the line in centimeters? _____ cm.
- Tier 2: What is the length of the line in millimeters? _____ mm.
- Tier 3: What is the length of the line to the nearest centimeter? _____ cm.



- Q8. a) Differentiate between magnetic and non magnetic substances. Give examples also.
b) Give S.I unit of a) Temperature b) Time c) Length and d) Mass

OR

- a) Write the similarity and differences between the motion of a bicycle and ceiling fan that has been switched on.
- b) What are artificial magnets?

Q9. **Multiple Choice Questions (MCQ's):**

- (a) SI unit of length is-
- | | |
|-----------------|----------------|
| (i) <i>m</i> | (ii) <i>km</i> |
| (iii) <i>cm</i> | (iv) <i>mm</i> |
- (b) Magnet has two poles, one of them is-
- | | |
|------------|--------------------|
| (i) North | (ii) West |
| (iii) East | (iv) None of these |
- (c) Which is magnetic material?
- | | |
|-------------|--------------|
| (i) Iron | (ii) Wood |
| (iii) Stone | (iv) Plastic |
- (d) 1 centimetre is equal to-
- | | |
|----------------------|----------------------|
| (i) 1000 millimetres | (ii) 100 millimetres |
| (iii) 10 millimetres | (iv) None of these |
- (e) Motion in which the moving object moves in a particular path repeatedly at regular interval of time is called-
- | | |
|-----------------------|-------------------------|
| (i) circular motion | (ii) oscillatory motion |
| (iii) periodic motion | (iv) rectilinear motion |
- (f) Motion along a straight line is called
- | | |
|------------------------|----------------------|
| (i) Rectilinear motion | (ii) Periodic motion |
| (iii) Circular motion | (iv) none of these |

Section B – Chemistry

Answer the following questions:

- Q1. Nitin's mother always tells him to wear cotton clothes in summers. Why?
- Q2. Why is water known as 'universal solvent'?
- Q3. Why do we need to separate different component of a mixture? Name two ways of cleaning food.
- Q4. What is sieving? Where is it used?
- Q5. Define:
(a) Solubility (b) Transparency (c) Miscible liquids
- Q6. Define elasticity. Give two examples of materials which are elastic in nature.
- Q7. Draw a well labeled diagram of rain water harvesting plant.
- Q8. a) Write any four steps to conserve water.
b) Differentiate between aqueous and non-aqueous solutions. Give examples.

OR

How would you obtain clear water from a sample of muddy water? Explain the process in detail with well labeled diagram.

Q9. **Multiple Choice Questions (MCQ's):**

- (a) The right time to cut jute plants is-
- | | |
|------------------------------|-------------------------------|
| (i) Matured stage | (ii) Flowering stage |
| (iii) Before flowering stage | (iv) Any time after flowering |
- (b) The fruit of the cotton plant are about the size of a-
- | | |
|-------------|----------------|
| (i) Orange | (ii) Lemon |
| (iii) Apple | (iv) Pineapple |
- (c) Which of the following is soluble in water?
- | | |
|-------------|-------------------|
| (i) Sand | (ii) Iron filings |
| (iii) Sugar | (iv) Sawdust |

- (d) The process of conversion of water vapour into its liquid form is called-
- | | |
|--------------------|--------------------|
| (i) Evaporation | (ii) Sublimation |
| (iii) Condensation | (iv) Sedimentation |
- (e) The process of settling down of the particles of an insoluble solid in a liquid is called-
- | | |
|-----------------|--------------------|
| (i) Decantation | (ii) Sedimentation |
| (iii) Sieving | (iv) Winnowing |
- (f) Which of the following is not a fibre?
- | | |
|-------------|--------------------|
| (i) Leather | (ii) Cotton |
| (iii) Silk | (iv) None of these |

Section C – Biology

Answer the following questions:

- Q1. Dietary fibre content of the food prevents constipation. Justify this statement.
- Q2. A food chain always starts with plant life. Why?
- Q3. Why is cow's milk best for the infants, old people and sick people?
- Q4. Why is it better to use compost instead of chemical fertilizers?
- Q5. What do you mean by adulteration? Give examples of some adulterants.
- Q6. What are deficiency diseases? Give examples
- Q7. Write a short note on domestication.
- Q8. What is malnutrition? Explain two types of malnutrition with examples.
- Q9. Make a web chart of food items providing proteins.
- Q10. (a) How will you test the presence of sugar in a food sample?
 (b) Write short notes on the following:-
 (i) Scurvy (ii) Rickets

OR

- (a) Define (i) landfill (ii) Photosynthesis
 (b) Why do we need to cook food?
 (c) Define Photosynthesis

Q11. **Multiple Choice Questions (MCO's):**

- (a) Pellagra is caused due to the deficiency of-
- | | |
|------------------|--------------------|
| (i) Vitamin B4 | (ii) Vitamin A |
| (iii) Vitamin C. | (iv) None of these |
- (b) Which is edible underground stem among these?
- | | |
|--------------|-------------|
| (i) Cabbage | (ii) Turnip |
| (iii) Tomato | (iv) Potato |
- (c) Animals which eat both plants as well as other animals are called-
- | | |
|------------------|------------------|
| (i) Carnivores | (ii) Omnivores |
| (iii) Scavengers | (iv) Decomposers |
- (d) Paper-mache is the paste made of _____ and paper.
- | | |
|-------------|--------------------|
| (i) Clay | (ii) Sand |
| (iii) Cream | (iv) None of these |
- (e) Which of the following components of garbage does not rot easily?
- | | |
|------------------|-----------------------------|
| (i) Fruit peels | (ii) Pieces of broken glass |
| (iii) Egg shells | (iv) Waste food materials |
- (f) Sunlight is a good source of-
- | | |
|-----------------|----------------|
| (i) Vitamin A | (ii) Vitamin B |
| (iii) Vitamin C | (iv) Vitamin D |