

DWARKA INTERNATIONAL SCHOOL
SECTOR- 12, DWARKA, NEW DELHI-110075
CLASS VI (SCIENCE) 2019-20

Time- 3 hours

Half Yearly Examination (sample paper)

MM:80

GENERAL INSTRUCTIONS:

- i) Q1-3 carries 1Marks**
- ii) Q4 carries 2Marks**
- iii) Q5 carries 3Marks**
- iv) Q6 Carries 4 marks**
- v) Q7 carries 5 marks**
- vi) Draw neat diagrams with pencil wherever asked to draw.**

Q1. Multiple choice questions:

(1x10=10)

- a) Which of these is a seed ?
(i) broccoli (ii) moong sprouts (iii) drumstick (iv) mint

- b) Which among these fruits is used as a vegetable ?
(i) apple (ii) brinjal (iii) mango (iv) custard apple
- c) Groundnuts and sunflower seeds are sources of _____
(i) carbohydrates (ii) food colors (iii) sugars (iv) edible oils
- d) Kerosene and water can be separated from a mixture by _____
(i) Sieving (ii) Filtration (iii) decantation (iv) evaporation
- e) Tiny stones can be removed from wheat by _____
(i) winnowing (ii) filtration (iii) threshing (iv) hand picking
- f) Which of these is not a source of ground water ?
(i) well (ii) handpump (iii) stream (iv) tubewell
- g) The clouds are formed by a process called _____.
(i) evaporation (ii) condensation (iii) transpiration (iv) precipitation
- h) _____ is an electric insulator.
(i) Aluminum (ii) gold (iii) rubber (iv) graphite
- i) All living organisms have _____.
(i) Bones (ii) muscles (iii) blood (iv) cells

Q2. Fill in the blanks. (1x5=5)

- (i) Change of water vapour into water on cooling is called _____
- (ii) The level of ground water is called _____
- (iii) Solubility in water is expressed in _____ / _____ ml.
- (iv) A closed conducting path for the flow of current is called _____
- (v) Bending of a plant stem towards light is called _____.

Q3. Choose the odd one out and write on the answer sheet. Give reason (1X5=5)

- i) Urea latex gum resins
- ii) Virus bacteria fungi earthworm
- iii) Sponge cotton butter stone
- iv) Butter cucumber oil ghee
- v) Iron sodium potassium vitaminA

Q4. Answer the following questions in short . (Any 10) (2X10=20)

- i) What is rainwater harvesting? Write its types.
- ii) Why must we use water carefully?
- iii) What is an electric circuit?
- iv) Write a short note on electric cell.
- v) What is a saturated solution?
- vi) Identify the type of reproduction seen in each of the following.
a) elephant _____ b) sweet potato _____ c) strawberry _____ d) bacteria _____
- vii) Why are LED'S preferred than ordinary bulbs ?
- viii) Why is tungsten used as a filament in bulbs ?
- ix) What makes an object float or sink in water ?
- x) Which method is used to separate two solids that differ in size ?
- xi) What are the factors that affect evaporation?

Q5. Differentiate between the following .(3X6=18)

- a)conductors and insulators
- b) threshing and winnowing
- c) miscible and immiscible liquids
- d) evaporation and condensation
- e)sedimentation and decantation
- f) growth and development

Q6. Answer the following questions in detail: (Any 3) (4x3=12)

- i) How will you distinguish whether a material is transparent, translucent or opaque? Explain with examples.
- ii) Define water cycle. Explain it with the help of a diagram.
- iii) Explain the working of a torch with the help of a well labeled diagram.

iv) Define – a) tropism b) nasticism c) classification d) electric current

Q7. Answer the following questions (5x2=10)

i) What is an electric circuit? Differentiate between open circuit and closed circuit. Draw the circuit diagram for each of them.

ii) Raj visited his ancestral village during his summer vacations. One day he saw a water tanker supplying water to nearby houses. He convinced his grandfather to talk to the people in the locality and to start harvesting rainwater.

a) Is Raj's approach to the problem correct?

b) How will this action be beneficial to the people in the locality?

c) What other methods could the villagers adopt to solve their water problems?