

JIYA LAL MITTAL D.A.V. PUBLIC SCHOOL

MODEL TEST PAPER

CLASS – VI

SUBJECT – SCIENCE

TIME: 3hrs

M.M: 90

General Instructions:

1. All questions are compulsory.
2. Part E has internal choices with each question.
3. Draw well-labelled diagram using pencil wherever it is necessary.

I. Multiple choice questions:-

1. Which of the following is non-biodegradable?
(a) Vegetables (b) fruits
(c) Earthworm (d) Aluminium foil
 2. Salt from sea water is separated by using
(a) Filtration (b) Centrifugation
(c) Evaporation (d) none of these
 3. The motion of swinging pendulum is:
(a) Curvilinear motion (b) rotatory motion
(c) Oscillatory motion (d) rectilinear motion
 4. Which one among there is not a flowering plant?
(a) Grasses (b) Algae
(c) Rose (d) Mango
 5. Transfer of pollen grains to stigma of the flower is called
(a) Pollination (b) fertilization
(c) Ovule (d) fruit
 6. A length of 2.5m is equal to _____ cm.
(a) 250 (b) 25
(c) 2500 (d) 2.5
- (6X1=6)**

II. Very short answer type questions. Each carries 1 mark.

1. Define saprophytes.
 2. What is the function of the metallic strips used in torch?
 3. What are autotrophs?
 4. What is saturated solution?
 5. What is threshing?
 6. What type of water is used to measure time intervals in a car race?
 7. Define root system.
 8. Why should we always dry our hands before touching an electric appliance or a switch?
 9. Name three non –magnetic substances.
- (9X1=9)**

III. Short answer type I questions. Each carries 2 marks.

1. What is the role of spines, the modified leaves?
2. Give two functions of stem.
3. Differentiate between a pure substance and a mixture. Give two examples of each.
4. Why polythenes are considered to be the major threat to our environment?

5. How do agnatic animals breathe in water?
6. How measurement does help us in our day to day life?
7. "All living things respond to external stimuli". Justify it with examples.
8. What is meant by an electric device?
9. What is fruit? Give its one function.

(9X2=18)

IV. Short answer type II questions. Each carries 3 marks.

1. Explain in brief working of an electric torch.
2. Why should we segregate different types of water? Give advantages of a twin bin system.
3. Name the property of matter shown in following examples:
 - (a) Fragrance of Agarbatti
 - (b) Paper pieces in water
 - (c) Formation of image in clear pond water.
4. What is centrifugation?
5. Why does a measurement need both a 'number' and a 'unit' for its complete specification?
6. Why do you think animals are useful to us? Justify with example.
7. Name any two types of stem modification giving one example for each type.
8. List the four characteristics of living things.
9. Why is rain water harvesting a ray of hope for today's scarcity of water in cities?

(9X3=27)

V. Long answer type questions. Each carries 5 marks.

1. (i) Suggest methods of separation for following:

(a) Butter from cream	(b) Iodine and sugar	(c) sand from pebbles
-----------------------	----------------------	-----------------------

 (ii) What is the difference between heterogeneous mixtures and homogeneous mixtures?

OR

What are the precautions to be followed when a metre scale is being used for measuring a given length?

2. Give one word answer:
 - (i) The life span of bacteria.
 - (ii) Smallest structural and functional unit of life.
 - (iii) These are very small plants.
 - (iv) Plants whose life cycle is of one season.
 - (v) It is important for a living organism to maintain its race.

OR

What is leaf? Describe the various parts of a leaf.

3. Distinguish between:
 - (i) Autotrophs and Heterotrophs.
 - (ii) Vertebrates and Invertebrates
- OR
- (i) Show relationship between the biotic and abiotic components of the environment with the help of a diagram.
 - (ii) Give difference between decomposers and scavengers.
4. (i) Why book is considered as a matter? Explain.
 - (ii) Air is manmade material. (True/False)
 - (iii) Soda water is prepared by dissolving _____ in water.
 - (iv) _____, _____ and _____ are soluble in water.
 - (v) Particles in a gas are very tightly packed hence diffuses fastest. (True/False)

OR

- (i) What is crystallization? Name any three substances which can be purified by this technique.
 - (ii) Why does the size of naphthalene balls reduce if it is kept in open?
5. (i) Distinguish between periodic and non-periodic motions. Give two examples of each type.
 - (ii) Explain the difference between rest and motion. Give two examples of each.

OR

- (i) Why is chair considered non-living and an elephant a living organism?
 - (ii) List the important characteristics of living things.
6. Define shoot system. Give four functions of the stem.

OR

What is flower? Describe the structure of flower.

(6X5=30)