

KENDRIYA VIDYALAYA _____
PT I EXAM (2024-25)

CLASS - VI
SCIENCE
M.M.- 40

SUBJECT-
TIME- 1: 30 Hrs

General Instructions:

- i) All questions are compulsory.
- ii) The question paper has three sections and 20 questions.
- iii) Section–A has 10 questions of 1 mark each.
- iv) Section–B has 4 questions of 2 marks and 4 questions of 3 marks each.
- v) Section–C has 2 competency based questions of 5 marks each.
- vi) Internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.

SECTION A

- 1. Which of the following is a characteristic of herbs?
 - a. They have woody stems.
 - b. They have soft, green stems.
 - c. They grow very tall.
 - d. They have thorny stems.
- 2. Which of the following is typically a tree?
 - a. Mint
 - b. Rose
 - c. Oak
 - d. Lemon
- 3. What type of motion does a bicycle on a straight road demonstrate?
 - a. Rotational motion
 - b. Linear motion
 - c. Oscillatory motion
 - d. Random motion
- 4. Which material is insoluble in water?
 - a. Sugar
 - b. Salt
 - c. Sand
 - d. Vinegar

5. Which of the following observations would indicate that an object is living?
- a. It changes colour when exposed to sunlight.
 - b. It can grow and reproduce.
 - c. It feels cold to the touch.
 - d. It is made of metal.

Fill in the blanks

6. _____ prepares food for the plants by the process of photosynthesis.
7. Motion of blades of moving fan is _____ motion.
8. Asteroids move between the orbits of Mars and _____.
9. Seed dispersal can takes place by means of _____ and _____.
10. Two sources of water are _____ and _____.

SECTION- B

TWO MARKS QUESTIONS

Q11. State whether following things are soluble in water or not.

	WRITE YES/NO
Salt	
Saw dust	
Vinegar	
Chalk powder	

Q12- Name any four landforms found on earth's surface.

OR

What are comets?

Q13. Write any two functions of stem.

Q14. Name two herbs and two shrubs.

THREE MARKS QUESTIONS

Q15- Convert following temperature from Celsius to Fahrenheit scale.

i) 14 °C ii) 60 °C iii) 100 °C

Q16- Write any six characteristics of living things.

Q17- Differentiate between rectilinear and periodic motion with example.

OR

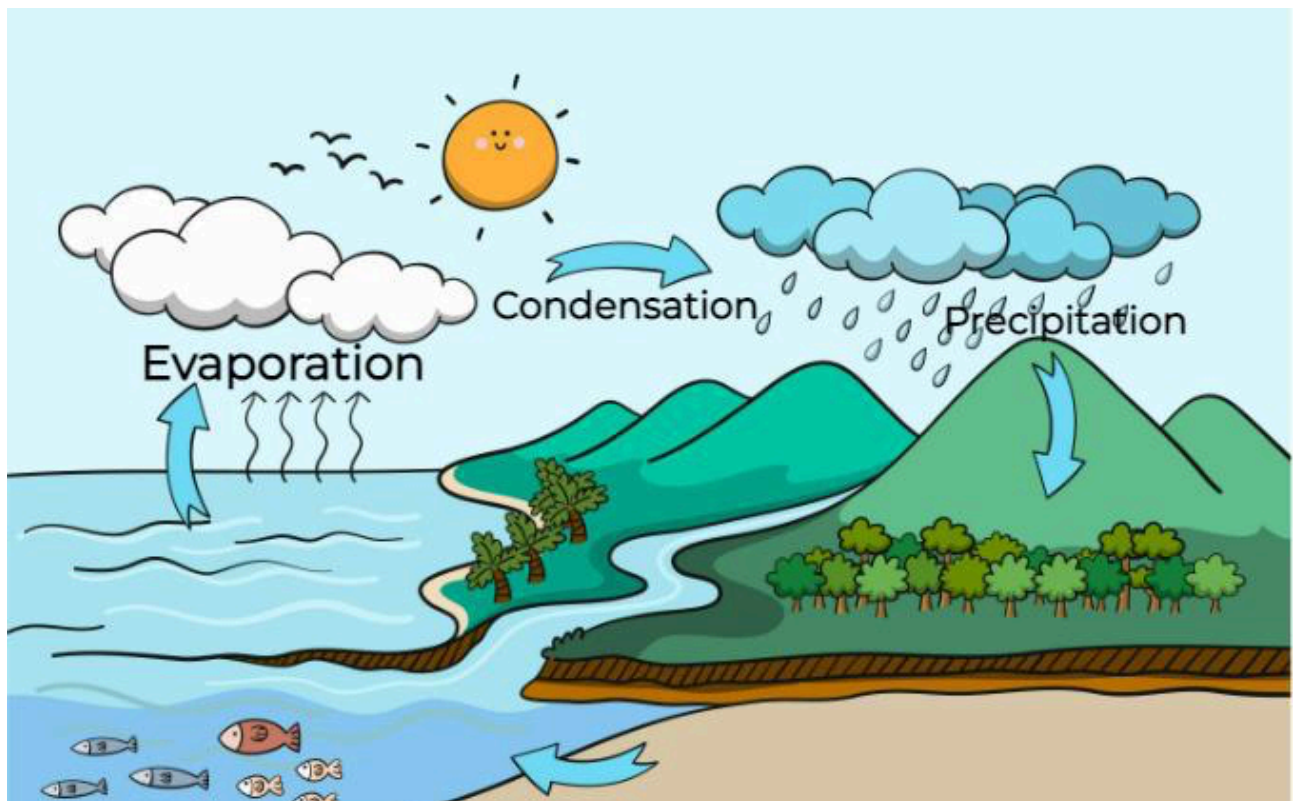
What is seed dispersal? Why is it necessary?

Q-18 Name different planets of solar system. Which is smallest and largest planets of our solar system?

SECTION- C

COMPETENCY BASED QUESTIONS

Observe the picture and answer the questions given below.



Q19.1-Which process is responsible for water vapour rising into the atmosphere?

- a. Precipitation
- b. Condensation
- c. Evaporation
- d. Transpiration

Q19.2- What is condensation?

Q19.3- During condensation, what happens to the temperature of the substance?

- a. It increases
- b. It decreases
- c. It stays the same
- d. It fluctuates

Q19.4- Which of the following is an everyday example of condensation?

- a. Ice melting
- b. Water boiling
- c. Dew forming on grass
- d. Snow falling

Q19.5- How does water return to the Earth's surface from the atmosphere?

- a. Evaporation
- b. Sublimation
- c. Transpiration
- d. Precipitation

SEED GERMINATION



Germination is the process by which a plant grows from a seed into a seedling. Seeds remain dormant until conditions are favourable for germination. All seeds need water, oxygen and optimal temperature to germinate. When a seed is exposed to the proper conditions, water and oxygen are taken in through the seed coat. The embryo's cells start to enlarge. Then, the seed coat breaks open and the root emerges first, followed by the shoot that contains the leaves and stem.

20.1- What is the first stage of seed germination?

- a. Root emergence
- b. Seed coat splitting
- c. Photosynthesis
- d. Flower blooming

20.2- Which of the following conditions is NOT necessary for seed germination at initial stage?

- a. Water
- b. Light
- c. Oxygen
- d. Suitable temperature

20.3- Which of the following best describes the process of seed germination?

- a. Seeds being dispersed by wind
- b. Seeds absorbing water and starting to grow
- c. Plants producing flowers
- d. Leaves falling off a tree

20.4- During germination, what part of the seed typically grows first?

- a. Stem
- b. Leaf
- c. Root
- d. Flower

20.5- What is the main purpose of the seed coat?

- a. To absorb sunlight
- b. To provide food for the seed
- c. To protect the seed
- d. To help the seed float in water