GREENLAWNS SCHOOL, WORLI

TERMINAL EXAMINATION 2025-26

SCIENCE

Std: VI Marks: 80

Date:19/09/2025 Time: 2 hours

Attempt all questions. Diagrams to be drawn with a pencil.

Figures to the right indicate the marks [ ]

Q I) Choose one correct answer to the questions from the given options: [10]

a. Mehul's grandmother was separating gram flour based on the difference in size of its components, using a mesh which had pores to pass the smaller particles through it leaving behind the bigger particles. Such a method of separation is known as:
(i) Winnowing (ii) Threshing (iii) Sieving (iv) Hand Picking

b. Which state of matter has maximum intermolecular space?
(i) Solid (ii) Liquid (iii) Gas (iv) All of these

c. The long eyelashes and muscular nostrils which can be closed, protects a camel from:
(i) Water resistance (ii) Low temperature (iii) Less rainfall (iv) Windblown sand

d. I remain submerged in water and am rooted in the soil substratum. Who am I?
(i) Water hyacinth (ii) Hydrilla (iii) Lotus (iv) Water Lily

e. Oxygen and hydrogen molecules are examples of this type of molecule:
(i) Monoatomic (ii) Diatomic (iii) Triatomic (iv) Polyatomic

f. The process of transfer of pollen grains through the agency of insects is called:
(i) Entomophily (ii) Anemophily (iii) Hydrophily (iv) Ornithophily

g. The clear liquid above the sediments during the process of sedimentation is known as _____ liquid:
(i) Filtrate (ii) Distillate (iii) Residue (iv) Supernatant

h. The image formed in a pinhole camera is:
(i) Real, inverted (ii) Not real, inverted
(iii) Real, Upright (iv) Not real, Upright

i. Banana, bamboo and wheat show the venation belonging to the type of:
(i) Reticulate venation (ii) Parallel venation
(iii) Mixed venation (iv) Opposite venation

j. The magnet in the shape of letter U is a:
(i) Bar magnet (ii) Magnetic compass
(iii) Horse shoe magnet (iv) Magnetic needle

Q II) State whether the following statements are true or false. If false, correct the statement: **[5]**

a. The Moon does not possess light of its own.
b. Umbra is always bigger than Penumbra.
c. A mixture of oil and water can be separated using Crystallization.
d. Leaves are modified into hooks in plants like bryophyllum and date palm.
e. The north magnetic pole corresponds to the south geographic pole.

Q III) Fill in the blanks: **[5]**

a. Some solids vaporize without melting such as ammonium chloride and camphor, the process being known as _____.
b. A drop of blue ink mixing with water without any external force is an example of _____.
c. Pine _____ protect the seeds during the harsh winter.
d. The type of germination in which the cotyledons come out of soil is known as _____ germination.
e. The two ends of a magnet where the attraction is strongest are known as _____.

Q.IV) Match the following columns: **[6]**

A	**B**
a. Nitric acid	i. H_2SO_4
b. Sulphuric acid	ii. 28 days
c. Lunar Month	iii. HNO_3
d. Lunar Eclipse	iv. Gooseberry, Hazelnut
e. Animal dispersal	v. Cotton, Poppy
f. Wind dispersal	vi. Full moon night

Q V) Define the following terms: **[5]**

a. Permanent magnet
b. Mixtures
c. Atomicity
d. Adaptation
e. Fertilization

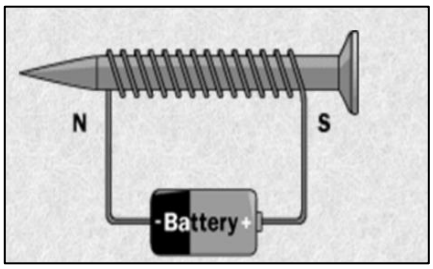
Q VI) Choose the odd one out and name the category to which the others belong: **[4]**

a. Gram, Bean, Pea, Maize
b. Iron, Wood, Nickel, Cobalt
c. Radicle, Plumule, Thalamus, Endosperm
d. Helium, Boron, Silicon, Arsenic

Q VII) Distinguish between the following with reference to what is stated within brackets: **[5]**

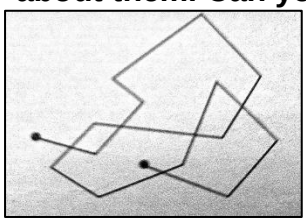
a. True fruit and False fruit (meaning)
b. Alternate phyllotaxy and Whorled phyllotaxy (one example of each)
c. Symbol and Chemical Formula (what do they represent)
d. Evaporation and Magnetic separation (type of material separated)
e. Temporary Magnet and Permanent Magnet (any one application)

Q VIII A) Anaaya went to the market and bought materials required for her Science Project. She assembled to make the setup resembling the picture given below. Answer the following questions based on this setup:



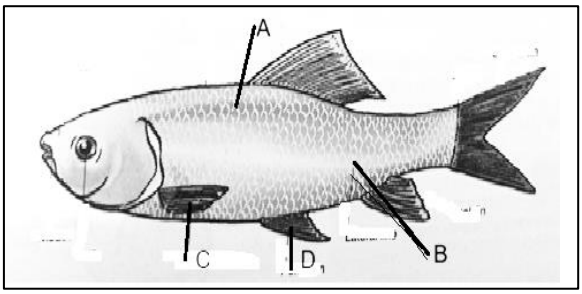
a. What has the setup turned into? **[1]**
b. Under which category of magnets (temporary/ permanent) will you place this setup and why? **[2]**
c. What are the two essential factors on which the strength of this type of magnet depends? **[2]**

Q VIII B) Niti observed an erratic movement when she put a slide of pollen grains suspended in water under the microscope. She was curious to know more about them. Can you help her by answering the following questions:



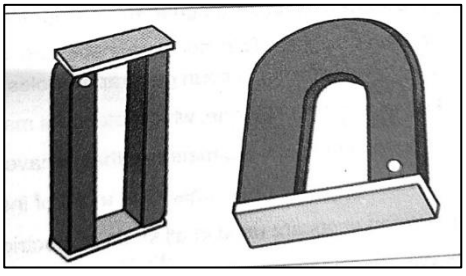
a. What is this movement known as? Name the scientist who discovered this movement. **[2]**
b. Give an example of this kind other than the one already given. **[1]**
c. Which two intermolecular forces other than this movement are known to you? Explain any one. **[2]**

Q VIII C) Jash wanted to study aquatic animals and hence visited an aquarium. There he could see a variety of fishes. He drew a picture as soon as he came back home and took it to his sister and asked the following questions:



a. Label parts 'A' and 'B'. Why is the body streamlined? **[2]**
b. What are the two pairs of fins 'C' and 'D' as shown in the picture known as? **[1]**
c. Mention two adaptations shown by aquatic animals. **[2]**
d. Why are some fishes provided with air bladders? **[2]**

Q VIII D) Shruti had few magnet pieces and the below given picture depicts how she stores them inside a box. Her aunt was surprised and asked a few questions:



a. Why are the magnets kept with soft iron pieces as shown in the picture? **[1]**
b. What is self- demagnetisation? **[1]**
c. List 2 ways of demagnetising a magnet. Explain any one. **[3]**

Q IX A) Give a scientific reason for the following: **[5]**

a. The melting point and boiling point of a mixture is not fixed.
b. People in the region of umbra see a total solar eclipse while that in the region of penumbra get to see a partial eclipse of the sun.
c. We make use of a Separating funnel to separate a mixture of oil and water.
d. Diffusion is exhibited by liquids and gases only and not solids.
e. The entire plant body of cactus is covered with a thick cuticle.

Q IX B) Complete the following table by writing the molecular formula of the following compounds. **[3]**

	Compound	Molecular formula
1	Magnesium bromide	a)
2	Nitrogen dioxide	b)
3	Sulphur trioxide	c)

Q X A) Answer the following questions:

a. What is solar eclipse? **[1]**
b. How is a pinhole camera different from an ordinary camera? **[1]**
c. Why are shadows formed? Give two reasons for the same. **[2]**
d. How do desert animals like camels adjust their internal body temperature? **[2]**
e. State the principle on which the method of fractional distillation works. Mention the type of solutions that get separated using this mixture. **[2]**

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Q X B) Draw a neat labelled diagram showing various parts of a mango fruit. **[2]** **f**

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