

GREENLAWNS SCHOOL, WORLI
TERMINAL EXAMINATION - 2024
SCIENCE

Std: VI
Date:04/10/2024

Marks: 80
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. The gas that turns lime water milky is:
(i) Oxygen (ii) Nitrogen (iii) Water vapour (iv) Carbon dioxide
- b. A pin hole camera does not have a:
(i) Screen (ii) Hole (iii) Lens (iv) Image
- c. An outgrowth that grows at the junction of the leaf stalk and stem is called:
(i) Terminal bud (ii) Auxiliary bud (iii) Node (iv) Internode
- d. The standard unit of volume is:
(i) Litre (ii) Cubic centimetre (iii) Cubic metre (iv) Millilitre
- e. An injury caused by moist heat such as boiling water is termed as:
(i) Scald (ii) Haemorrhage (iii) Scurvy (iv) Rabies
- f. The inner dark part of the shadow where light is completely blocked is known as:
(i) Penumbra (ii) Umbra (iii) Solar eclipse (iv) Lunar eclipse
- g. The plant that reproduces through its leaves is:
(i) Mango (ii) Guava (iii) Peepal (iv) Bryophyllum
- h. Releasing excess water from the plant body in the form of water vapour by leaves is:
(i) Evaporation (ii) Respiration (iii) Dehydration (iv) Transpiration
- i. The process of converting wastes into manure by disposing them in covered pits is called:
(i) Recycling (ii) Burning (iii) Composting (iv) Open dumping
- j. 1 quintal = _____ kilograms:
(i) 100 (ii) 1000 (iii) 10,000 (iv) 100,000

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

[5]

- a. Carbohydrates on digestion give almost twice the energy as that of fats.
- b. A number of leaflets of small lamina are arranged on either side of the rachis in a simple leaf.
- c. The image formed in a pinhole camera is upright.
- d. The gap between two incidents or events is called time.
- e. Both air and moisture are essential for rusting.

Q III) Fill in the blanks:

[5]

- a. _____ such as smoke, dust, toxic gases, chemical wastes, etc harm our health severely.
- b. The volume of irregular solids can be found using a _____.
- c. Oleander and Nerium have leaves of _____ phyllotaxy.
- d. _____ water can be obtained through wells and tube wells.
- e. The shadow of Moon falling on the Earth is called _____.

Q.IV) Match the following:

[5]

- | | |
|-------------------|---------------------------|
| a. Banana | i. Compound leaf |
| b. Tamarind | ii. Contaminated water |
| c. Ozonolysis | iii. Dicot seed |
| d. Cholera | iv. Direct contact |
| e. Conjunctivitis | v. Sterilization of water |

Q V) Define the following terms:

[6]

- | | |
|-----------------------|--------------|
| a. Temperature | d. First-aid |
| b. Saturated solution | e. Rusting |
| c. Shadow | f. Humidity |

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

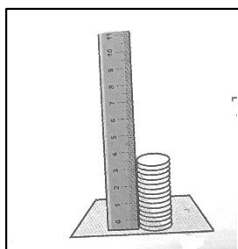
- a. Clouds, fog, mist, smog
- b. Potato, ginger, onion, radish
- c. Lamina, pedicel, sepal, thalamus
- d. Sundial, Conical flask, Candle clock, Hour glass

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

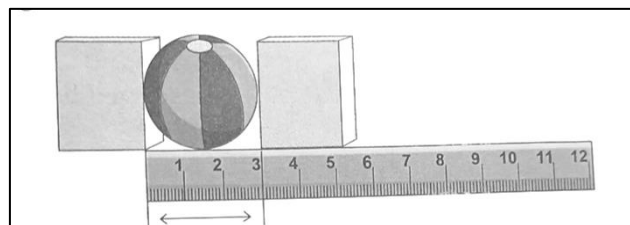
[5]

- a. Energy giving food and Body-building food (one example of each)
- b. Respiration and photosynthesis (gas released)
- c. Reticulate venation and Parallel venation (meaning)
- d. Physical balance and Chemical balance (accuracy of measurement)
- e. Pollination and fertilization (process)

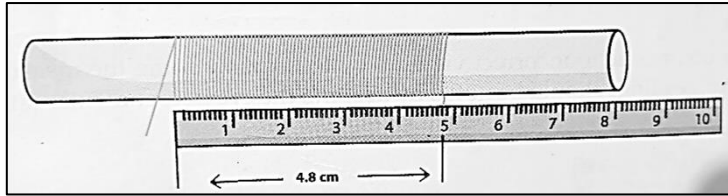
Q VIII A) With reference to the diagrams given below, answer the questions that follow:



(i)



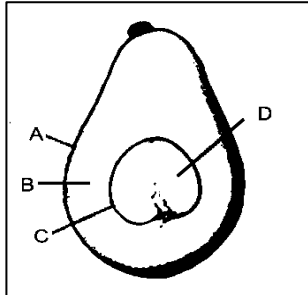
(ii)



(iii)

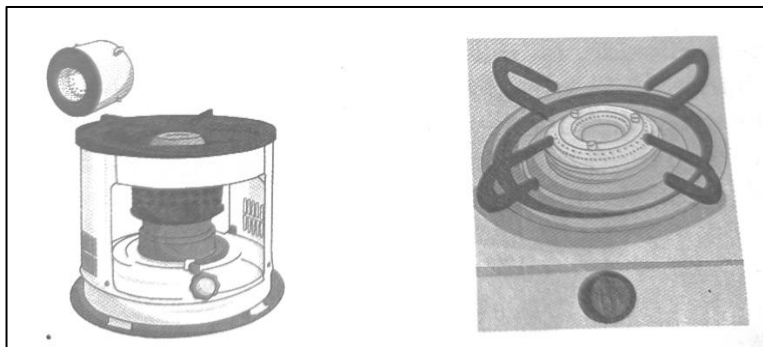
- a. What is being measured in figures (i), (ii) and (iii)? [3]
- b. Explain any one method of measurement as shown in these figures. [2]

Q VIII B) Observe the figure given below and answer the questions that follow:



- a. Label the parts 'A,' 'B,' 'C' and 'D'. [2]
- b. What are the parts 'A,' 'B' and 'C' collectively known as? Which structure of the flower does it represent? [2]
- c. How is structure 'D' dispersed in the fruits of balsam and moringa? [2]

Q VIII C) Observe the figure given below and answer the questions that follow:



(a)

(b)

- a. What do you observe in (a) and in (b) and why so? [2]
- b. What can be concluded from this? [1]
- c. How does digested food liberate energy inside the cells? [1]

Q VIII D) Draw the following table showing all the components required in water (to be and not to be present). Then answer the questions that follow: [3]

	Potable water should be free from	Potable water should contain
1	Colour	Dissolved gases from air
2		
3		
4	Suspended impurities	

- a. What is potable water? [1]
- b. Why should potable water have small amount of carbon dioxide dissolved in it? [1]

Q IX) Answer the following questions:

- a. What is hemorrhage? Why is it advisable to make the casualty lie down? [2]
- b. Which are the property changes that occur in iron when it undergoes rusting? [2]
- c. Give two practical applications of rectilinear propagation of light. [2]
- d. Name the four whorls of a complete flower. [2]
- e. Convert:
 - (i) 57° into Kelvin. [2]
 - (ii) 2200 cm³ into dm³ [2]

Q XA) Give scientific reasons for the following: (any two reasons) [8]

- a. Water is called the universal solvent.
- b. There are water droplets seen inside a plant covered with polythene bag.
- c. Standard units are used in measurement.
- d. Nitrogen is absorbed by plants as nitrates.

Q X B) Draw a neat labelled diagram of female and male reproductive parts of a flower. [2]
