



Class : 5

Time: 2 hrs 15 minutes

Instructions

- 15 minutes cool-off time is allotted for reading and understanding the activities.
- Answer any six questions.
- Internal choices A & B are given to questions 3 and 4. You need to answer any one of these questions.

1.

a) Jackfruit gum cannot be washed off using water. Why?

- i. Jackfruit gum float in water.
- ii. Jackfruit gum does not dissolve in water.
- iii. Jackfruit gum dissolves in water.
- iv. Jackfruit gum has more weight than water.

b) Complete the table.

Solute	A.....	Solution
Sugar	Water	B
Salt	C	Salt solution
D	Water	Soda

c) Even if there is a lot of rain, drought can occur if water is not conserved. Write two methods of rainwater harvesting.

2.

a) Examine the following details related with seed dispersal. Complete the table by using suitable ones.

(Light seed, Fleshy part, By bursting, Love grass, Rubber)

Seed/Fruit	Adaptations
Jackfruit	A
Appooppan thadi	B
C	Pointed tip
Drumstick	D

b) Which of the following is correct regarding dicot plants?

- i. Reticulate venation in leaves
 - ii. Parallel venation in leaves
 - iii. Unbranched stem
 - iv. Tap root system
- A) Statement i and ii are correct C) Statement i and iv are correct
B) Statement ii and iii are correct d) Statement iii and iv are correct

C) Write any two characteristics of plants with parallel venation.

3. This question has two parts 3 (A) & 3 (B). Write either 3 (A) or 3 (B).

3. (A)

a) Read the statements given below.

Statement 1 - Moon is the closest celestial body to the Earth.

Statement 2 - Moon shines on its own.

A) Statement 1 and 2 are correct

C) Statement 1 and 2 are incorrect

B) Statement 1 is correct

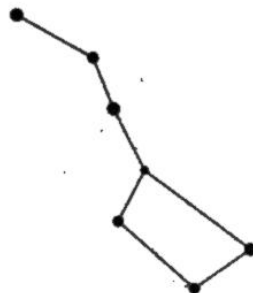
D) Statement 2 is correct

b) Write any four services provided to us by artificial satellites?

c) Prepare 4 relevant questions for an interview with Sunitha Williams who returns from International Space Station.

OR

3. (B) Observe the picture.



a) Name this constellation.

b) What are the benefits of space stations?

c) What problems would you face if you went to the space station?

4. Question 4 has two parts 4 (A) & 4 (B). Write either 4 (A) or 4(B).

4. (A)

Read the statements given below.

i) When a seed germinate, radicle comes out first.

ii) The radicle becomes the stem and leaf.

a) Which is the correct statement?

A) Statement i is correct

C) Statement i and ii are correct

B) Statement i and ii are incorrect

D) Statement ii is correct

b) Rearrange the following table correctly according to the germination of dicot seeds into plants.

Comes out first	Plumule	Stores food
Two are seen	Radicle	Becomes root
Comes out later	Cotyledon	Becomes the stem and leaf

- c) "A coconut that fell from a coconut tree near the river, floated a short distance. It reached a river bank and sprouted there." What are the adaptations of coconut for seed dispersal?

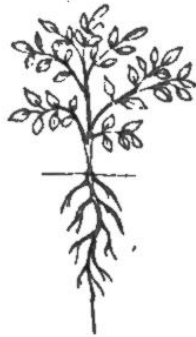
OR

4. (B)

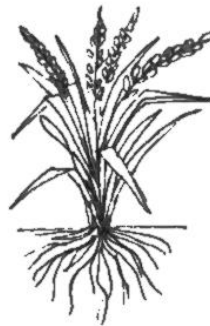
- a) Which one of the following is not related with dispersal of seed?

(Balsam, Ladies finger, Rubber, Mango)

b)



Picture 1



Picture 2

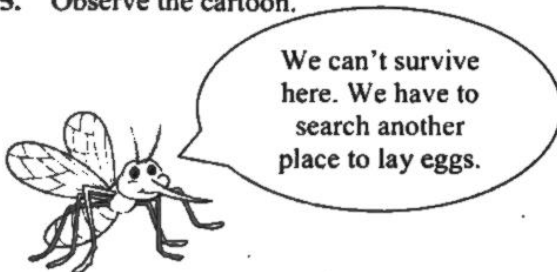
Observe the roots of the above plants and write the venation of their leaves.

- c) Classify the following plants based on their cotyledon and give them a suitable title.

(Jackfruit tree, Coconut tree, Mango tree, Palm, Paddy, Pea plant)

A	B
Coconut tree	Mango tree
C	Pea plant
Palm	D.....

5. Observe the cartoon.



- a) Write two ways to prevent mosquito breeding.

b) Which of the following groups of communicable diseases required vaccination?

A) Dengue fever – Chikungunya

B) Small pox - Tetanus

C. Leprosy - Conjunctivitis

D) Polio - Hepatitis

c) Which are the correct pairs of airborne diseases.

i. Diarrhoea, Typhoid

ii. Tuberculosis, Chickenpox

iii. Worm diseases, Tetanus

iv. Measles, Covid

A) Pair i and ii are correct

C) Pair ii and iii are correct

B) Pair iii and iv correct

D) Pair ii and iv are correct

6.

a) Sand mining from the river causes for the decrease in the water level in nearby wells. What property of water causes this?

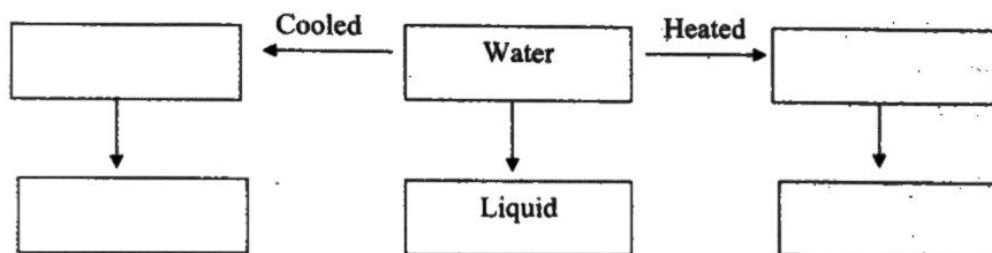
A. Water conducts heat.

B. Water flows.

C. Water maintains its level.

D. Water is a universal solvent.

b) Complete the flowchart related to the change in the state of water.



c) Write any two situations where solubility of water is utilised.