

PVG's
Muktangan English School & Jr. College, Pune – 9
SUMMATIVE WRITTEN TEST – I (2024-2025)
STANDARD - VII

Subject: Science
Date: 14/10/2024

Marks: 50
Time: 8.00 am-10.00 am

Q.1-A) Fill in the blanks and rewrite the sentences. (4)

1) _____ soil has pH7.

- a) Acidic b) Neutral c) Alkaline

2) _____ is an example of symbiotic plant.

- a) Mushroom b) Cucuta c) Lichen

3) _____ is a chemical type of food preservative.

- a) Vinegar b) Salt c) Oil

4) A lightning conductor is made of a _____ strip.

- a) Plastic b) Copper c) Iron

Q.1-B) Match the following (2)

Column A

1) Soil

2) Air

Column B

a) Scattering of light

b) Excretion

c) Plasticity

Q.1-C) State whether the following statements are True or False and rewrite the sentences. (2)

1) It is possible to prevent the eruption of a volcano.

2) An electron microscope is necessary for the study of microbes.

Q.1-D) Define (Any 2) (2)

- 1) Displacement
- 2) Radiation
- 3) Cell

Q.2-A) Give scientific reasons (Any 3) (6)

- 1) Butterflies have a long tube-like proboscis.
- 2) It is not proper to measure quantities by using body parts.
- 3) Dew drops form on the grass, in winter.
- 4) The plants like cactus and acacia can live in deserts.

Q.2-B) Distinguish between the following (Any 2) (4)

- 1) Scalar quantity and Vector quantity.
- 2) Prokaryotic cell and Eukaryotic cell
- 3) Herbivores and Carnivores.

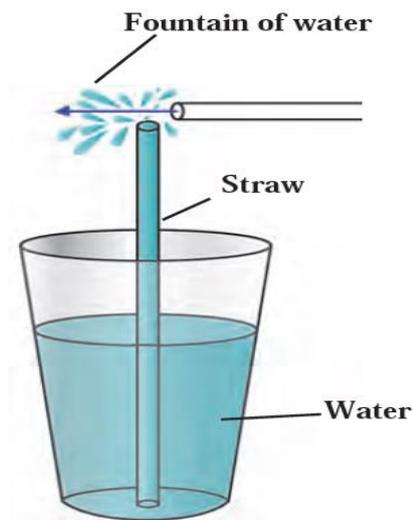
Q.3-A) Write a short note on (Any 2) (6)

- 1) Anomalous behavior of water.
- 2) The process of production of food in plants.
- 3) Harmful effects of micro-organisms.

Q.3-B) Answer the following questions in one sentence. (Any 4)

(4)

- 1) What is scientific name for mango?
- 2) Write the formula for speed.
- 3) What is meant by good conductors of heat?
- 4) Observe the diagram below and identify the principle on which it works.



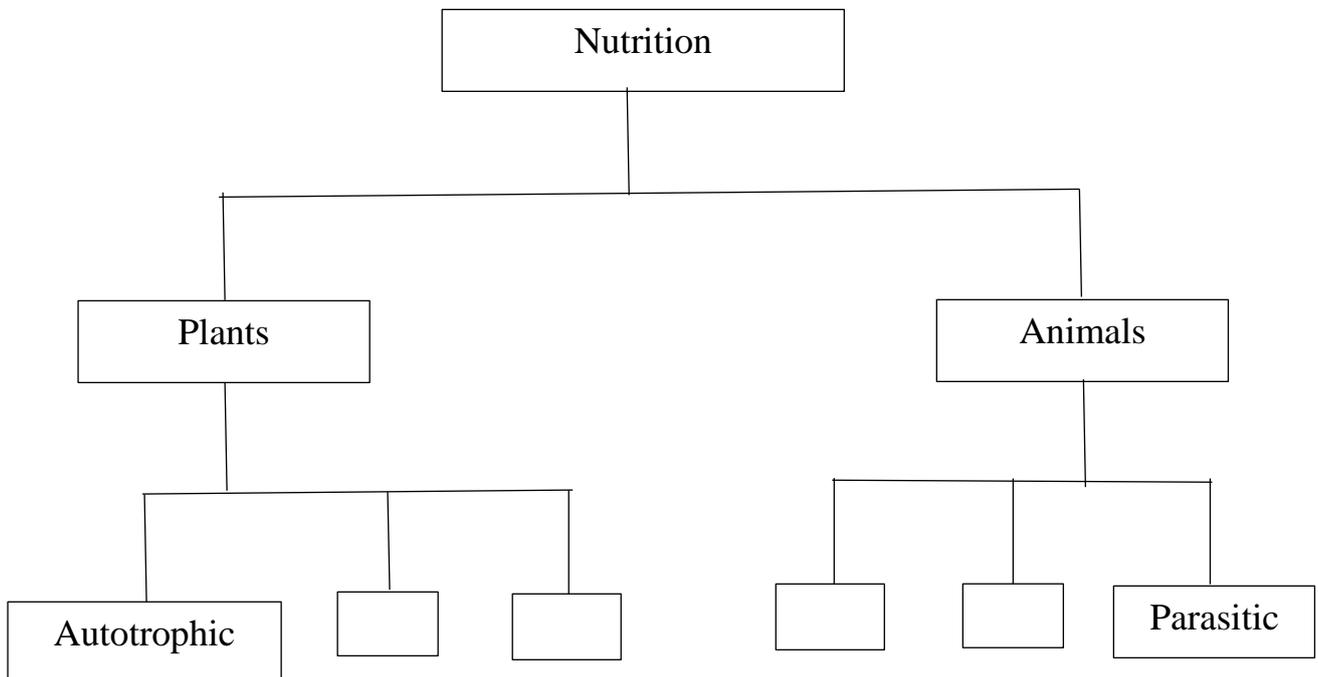
- 5) Name some unicellular organisms in which all life-processes take place within their unicellular body.

Q.4-A) Answer in brief (Any 3)

(6)

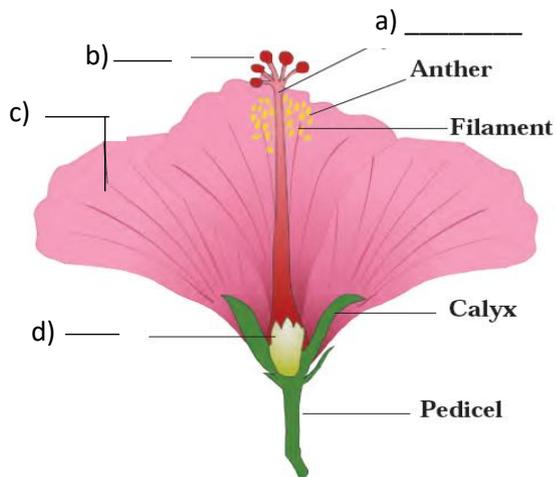
- 1) A force of 1000 N was applied to stop a car that was moving with a constant velocity. The car stopped after moving through 10 m. How much is the work done?

2) Complete the following flow chart according to the type of nutrition.



3) What are the characteristics of a static electric charge?

4) Label the following diagram.



Q.4-B) Answer the following (Any 2)**(4)**

1) Complete the chart below

| Sr. No. | Food stuff | Adulterant |
|---------|--------------|----------------|
| 1 | ----- | Metanyl Yellow |
| 2 | Black pepper | ----- |
| 3 | ----- | Iron filings |
| 4 | Honey | ----- |

2) Explain velocity with its unit.

3) Complete the following table.

| Physical Quantity | M.K.S. | C.G.S. |
|-------------------|----------|------------|
| Mass | Kilogram | ----- |
| Distance | ----- | Centimetre |
| Time | Seconds | ----- |
| Speed | ----- | cm/s |

Q.5-A) Draw a neat and well labelled diagram of the following. (Any 2)**(6)**

- 1) Tap root
- 2) Plant Cell
- 3) Convection mode of heat transfer

Q.5-B) Answer the following question in brief (Any 1)**(4)**

- 1) Explain function of the thermos flask with a well labelled diagram.
- 2) Explain force and acceleration with one example each.
