

JAFFNA ZONE

Grade: 08

Science

Unit: 03

Time: 40 Minutes

Part: 01

1. Select the most suitable answer.

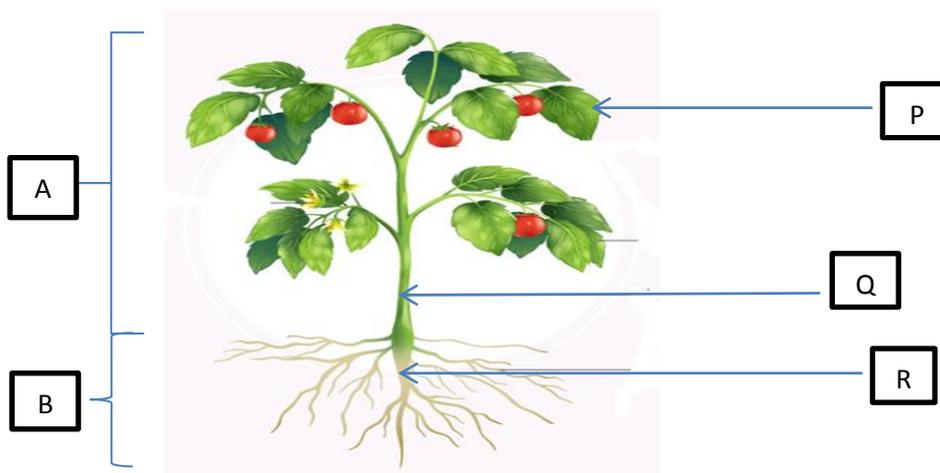
- 1) Main function of leaf is
 1. Photosynthesis.
 2. Reproduction.
 3. Absorption of water and minerals.
 4. Storage of water.
- 2) In which method transpiration is reduced in opuntia (Nagathali)?
 1. Thick, waxy cuticle.
 2. Reduced number of leaves.
 3. Leaves reduced to spines.
 4. Having hair structures on surface of leaves
- 3) Which of the following has underground stem?
 1. Sugarcane
 2. Manioc
 3. Beet
 4. Potato
- 4) Which specialized root presents in orchid plant?
 1. Stilt root
 2. Aerial root
 3. Respiratory root
 4. Prop root
- 5) Plant that is used for facial purpose mostly,
 1. Temple tree
 2. Casurina
 3. Cactus
 4. Aloe (5×4=20 marks)

2. Tick true (✓) or false (×).

- 1) Manioc plant stores food in adventitious roots. ()
 - 2) Peperomia plants do vegetative propagation by leaves. ()
 - 3) Rampa plants have prop roots. ()
 - 4) Vegetative propagation is done by the runners in sirupulladi. ()
 - 5) Main function of plant root is food preparation. ()
- (5×4=20 marks)

Part: 02

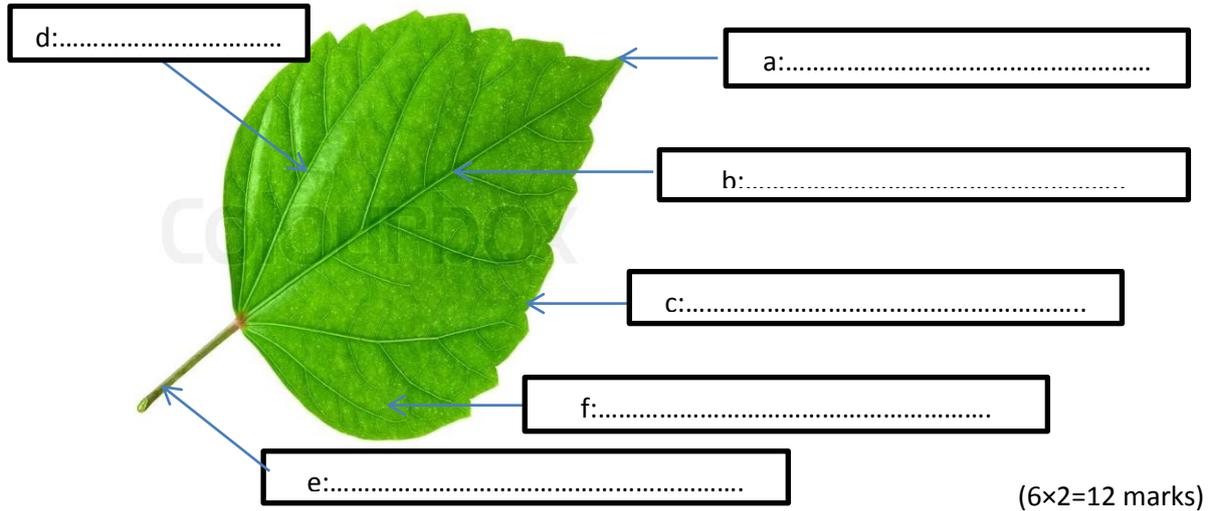
1. Main parts of the plant are given in the following diagram.



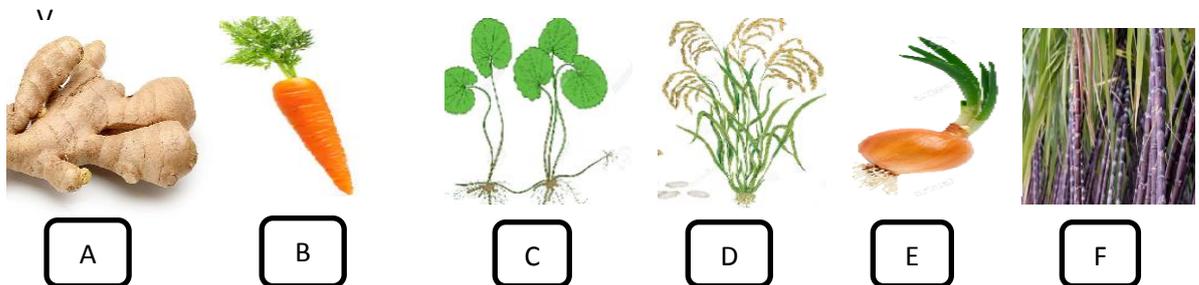
- 1) Identify A and B in the above diagram?
A..... B.....
- 2) How can be called the biological process done by P?.....
- 3) Which gas is necessary for the above process?.....

- 4) State a main function of R?.....
- 5) Write the specialized name of the part R that presents in the following plants?
- a) Beet:.....
- b) Sweet potato:.....
- c) Banyan:.....
- d) Kirala:..... (5×4=20 marks)

2. Identify the parts of the following leaf diagram.



3. A) Write the answers for the following questions by observing given diagrams.



- a) Which plant propagates by runners?.....
- b) Name a plant that propagates by suckers?.....
- c) Which plant stores food in tap root?.....
- d) What are the plants that have underground stems?.....
- e) State a plant which stores food in aerial stem?..... (5×4=20marks)

B) Name the plants which have following features to reduce transpiration.

- 1) Thick waxy cuticle:.....
- 2) Water storage leaf:.....
- 3) Reduced number of leaves:..... (3×2=6 marks)

C) Write the method of fixing leaves with stem for the following plants?

- 1) Anona:.....
- 2) Vattakkanni:..... (2 marks)

