

Girls' High School and College, Prayagraj

Session: 2020-21

Class : 10(A,B C,D,E,F)

Subject: Biology

Chapter – Transpiration

Assignment 1

Instructions for the assignment : 1. The parents to ensure that their ward watches the video Instructions for this assignment attentively by clicking on the given link :<https://youtu.be/pfvHkvBTBic> revise the lesson given in the book and then work on the assignment. The completed assignment is to be submitted to this E-mail : rpshepherdproject2020@gmail.com

2.Students who have already submitted this assignment need not send it again.

Answer the following questions

Q 1 (a) Give the specific function of :-

- (i) Hydathodes
- (ii) Stomata

Q1 (b) How do the following factors affect the rate of transpiration?

- (i) Light
- (ii) Humidity
- (iii) Atmospheric pressure

Q2 (a) Define :-

- (i) Transpiration
- (ii) Bleeding

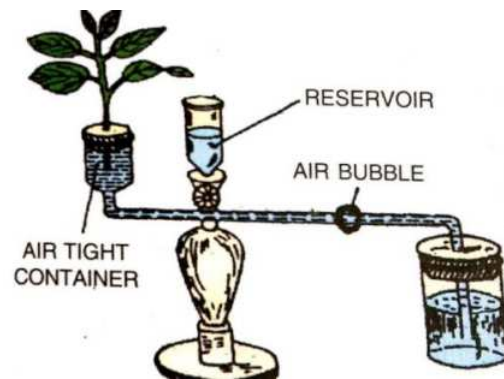
Q2 (b) Give two important differences between

- (i) Transpiration and Guttation
- (ii) Stomatal and Lenticular Transpiration

Q 3 Name the different kinds of transpiration. Out of these which has the maximum rate and which has the minimum rate of transpiration?

Q4 Give three advantages of transpiration to plants.

Q 5 Given below is the diagram of an apparatus used to study a particular phenomenon in plants. Study the same and answer the questions that follow.



- (i) Name the apparatus.
- (ii) What is it used for?
- (iii) What is the role played by the air bubble in the apparatus?
- (iv) What is the use of the reservoir?
- (v) List any two limitations of using this apparatus.

End.