

Homework

14 Differentiate between artery and veins.

<u>Artery</u>	<u>vein</u>
* It has thick, elastic muscular wall.	* It has thin, non-elastic wall.
* It has narrow lumen.	* It has wide lumen.
* Flow of blood is fast and jerky.	* Flow of blood is slow and smooth.
* It carries blood away from the heart to a organ.	* It carries blood from an organ towards heart.

20 What is guttation?

Ans - Guttation is the loss of water in the form of water droplets by plants, from the margins of their leaves, through special pores called hydathodes.

3x Why is guttation considered to be harmful to plants if occurs regularly?

Ans - For indoor plants, there is a risk when too much guttation occurs. It evaporates and leaves white spots on leaves. These spots are from minerals that stay behind once water dries up. These form white spots on leaves. When minerals accumulate, these spots can be either yellow, brown or black.

4x (a) Latex - It is a complex emulsion consisting of proteins, alkaloids, oils, tannins, resins. It is a milky fluid.

eg - Moraceae & Euphorbiaceae

(b) alkaloids - morphine & caffeine

5x The lymph helps in providing immunity by releasing lymphocytes & immune cells that monitor & destroy the foreign invaders.