HOME ASSIGNMENT

1. Differentiate between artery & veins.

Ans

ARTERY	VEINS
☆ Arteries are blood vessels which carry blood (oxygenated from heart to diff. parts of the body.	☆ Veins are blood vessels which carry deoxygenated blood from diff parts of body to the heart.
☆ These are located deep inside body	☆ They are peripherally located closer to skin
☆ Arteries carry oxygenated blood except pulmunary arteries.	☆ Veins carry deoxygenated blood except pulmonary veins.
☆ Arteries are thickest blood vessels.	☆ Veins are thinner than arteries.
☆ Blood flows at a high pressure due to pumping pressure of heart.	☆ Blood flows at a lower pressure

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2. What is guttation?

Ans: Guttation is the process of ~~excretion~~ loss of water in the form of water droplets by plants, from the margin of their leaves through special pores called as Hydathodes.

* The process of guttation is also considered harmful for plants if it occurs regularly.

3. Why is guttation considered harmful for plants if it occurs regularly?

Ans * Guttation at excess in plants also has its ill effects :-

① It can also damage the hydathodes as water can cause harmful microorganisms to infect the plant.

② It can also cause the soil to form a white crust if it has high mineral content.

③ Excessive transpiration due to gutation can also cause leaf burns with white spots on the leaf

Q) Give 2 examples each —

(a) Latex — Latex is mixture of proteins, alkaloids, starches, sugar etc after coagulation. It is used for making natural rubber

(b) Alkaloids — Montanine, Galantamine, Nicotine

Q) How does Lymph help in providing immunity to the body?

Ans: ☆ Lymph is a light, yellow liquid which is extracellular and flows from body tissues to the heart.

☆ Lymph contains special type of white blood cells ~~and~~ called as lymphocytes which help in fighting infection and disease.

☆ Lymphocytes eat the germs and dead cells, and also make antibodies for protecting the body from disease.

☆ Thus, by making antibodies, lymph provides immunity to the body.