

Inter Questions of Transportation

Q.1) What are the components of the transport system in human beings? What are the functions of these components?

Ans → Heart, blood and blood vessels are the main components of transport system in human beings.

Function →

→ Heart pumps oxygenated blood throughout the body.

→ Blood transports oxygen, nutrients, CO_2 .

→ Blood vessels, arteries and veins carry blood to all parts of body.

Q.2) Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?

Ans: Mammals and birds are warm blooded animals which keep their body temperature constant irrespective of the environment they live in.

3. What are the components of the transport system in highly organized plants?

Ans: There are two types of conducting tissue → (i) Xylem → Xylem conduct water and minerals from roots to rest of the plant parts.
→ (ii) Phloem → Phloem transports food materials from leaf to other parts.

4. How are water and minerals transported in plants?

Ans: Xylem parts tracheids and vessels of roots, stems and leaves are interconnected to form a continuous system of water conducting channels that reaches all parts of the plant.

Q.5) How is food transported in plants?

Ans -> Food is transported in plants by a special organ called as phloem. Phloem transports food materials from leaf to different parts of a plant. It is achieved by the expenditure of energy from ATP.