

TRANSPORTATION IN ANIMALS AND PLANTS

CLASS TEST

F.M.- 15

1. **Why does the pulse rate increase after running or physical activity?**
 - A. To reduce body temperature
 - B. To supply more oxygen and nutrients to muscles
 - C. To digest food quickly
 - D. To remove sweat from the body

2. **A student recorded their pulse as 80 beats per minute before exercise and 120 after. What conclusion can be drawn?**
 - A. Exercise lowers the pulse rate
 - B. Heart rate decreases with activity
 - C. Exercise increases oxygen demand
 - D. There is no change in circulation

3. **After a plant was covered with a plastic bag, droplets were found inside the bag. This proves:**
 - A. Photosynthesis occurs
 - B. Water is absorbed by leaves
 - C. Transpiration occurs
 - D. Air is released by roots

4. **Assertion:** The pulmonary vein carries oxygenated blood from the lungs to the heart.
Reason: All veins carry deoxygenated blood in the human body.

5. **If phloem in a plant is damaged, which of the following is most likely to happen first?**
 - A. Photosynthesis will stop
 - B. Plant will wilt due to lack of water
 - C. Food will accumulate in the leaves
 - D. Roots will absorb more minerals

Read the case study and answer the questions in short: (1*5=5)

During a school-organized blood donation camp, students learned that blood contains red blood cells, white blood cells, platelets, and plasma. The doctor explained that a healthy donor must have enough haemoglobin in the RBCs to carry oxygen. Some students asked why platelets were also important, and the doctor explained their role in blood clotting. Students also learned that donated blood is tested for diseases and matched by blood groups before transfusion.

- 1. Why is haemoglobin in red blood cells essential for the human body?**
- 2. A patient has a low platelet count. What complications might arise if this patient gets injured?**
- 3. A student says, “All components of blood are solid.” Do you agree? Justify your answer.**
- 4. Why is it important to test donated blood before transfusion?**
- 5. If a person has low red blood cell count, what symptoms he might experience, and why?**

III. Draw and label the diagram of “The Human Excretory System.” (5)