

Class-10

Subject-BIOLOGY

Topic- LIFE PROCESSES

Date of submission-5th May 2017

1. You were standing on the roadside, when you saw a family travelling in the car. An ambulance carrying a patient for dialysis was travelling behind the car. The driver of the car brought his car to one side of the road and allowed the ambulance to overtake.
 - a) What was the value shown by the driver?
 - b) What is dialysis?
 - c) What are the vehicles whom we should give pass while driving?
2. An organ donation camp was organized by government in your locality to encourage people for organ donation. But the camp was not very successful. The camp hardly received any response.
 - a) What values are possessed by people who wish to donate their organs?
 - b) Will organ donation agreement affect the donor?
 - c) Why did the organ donation camp failed?
3. How exchange of gases take place in plants?
4. Differentiate between photosynthesis and respiration.
5. Explain the mechanism of breathing in human beings.
6. How does water rise in tall trees?
7. Leaves of a potted plant are coated with Vaseline to block the stomata. Will this plant remain healthy for long? State the 3 reasons for your answer.
8. How is prepared food transported to different parts of the plant?
9. What is blood? What are the components of blood? Also write the function of each component.
9. What is the function of Alveoli?
10. What are the advantages of having very thin and highly branched capillaries for blood flow?
11. What is the difference between the blood flowing in the arteries and that flowing in the veins.
12. What is the meaning of the term "Double circulation"?
13. What will happen if excess bleeding takes place and what natural device preventing it?
14. Differentiate between excretion and osmoregulation? Describe how excretion takes place in amoeba.
15. What is dialysis? How is it useful?
17. What is excretion? How is solid and gaseous waste excreted in humans?
16. Do the following:
 - a) functions of blood.
 - b) State the roles of liver and pancreas
 - c) Explain the statement, "Bile does not contain any enzyme but it is essential for digestion."
 - d) How is unused energy stored in plants?
 - e) What is the site for photosynthesis?
 - f) Why do aquatic animals breathe faster than terrestrial animals?
17. Name the following-
 - The process in plants that links light energy with chemical energy.
 - Organisms that can prepare their own food.
 - Cells that surround a stomatal pore.
 - The cell organelle where photosynthesis occurs.