

SCIENCE

CLASS- VII

FA3

ASSIGNMENT NO. 23

TRANSPORTATION IN ANIMALS AND PLANTS

Q1. Tick the correct option:

1. Body system involved in transporting substances:

- a) Excretory    b) Circulatory    c) Digestive    d) Respiratory

2. Fluid part of the blood:

- a) RBCs    b) WBCs    c) Haemoglobin    d) Plasma

3. Circulatory Fluid is absent in :

- a) Hydra    b) Earthworms    c) Ants    d) Both (a) and (c)

4. Tube like structures in excretory System:

- a) Ureters    b) Urethra    c) Urinary Bladder    d) None of these

5. Excretory product in humans:

- a) Uric Acid    B) Ammonia    c) Urea    d) Water

6. Which type of cells contain haemoglobin ?

a) Red Blood Cells

b) White Blood Cells

c) None of the two above

d) Platelets

7. Which type of cells protect our body from germs ?

- A) RBCs                      B) WBCs                      C) Platelets                      D) None of the above

8. The clot is formed due to the presence of which type of cells ?

- A) Platelets                      B) RBCs                      C) WBCs                      D) None of the above

9. A normal person usually have a pulse rate between ?

- a) 50-55                      b) 50-60                      c) 62-70                      d) 72-80

10. How many chambers are there in the human heart ?

- a) 3                      b) 4                      c) 2                      d) 5

11. Pulmonary vein carries oxygen-rich blood ?

- a) True                      b) False  
c) Veins cannot carry oxygen-rich blood                      d) None of the above

12. In Plants water is transported through

- a) Phloem                      b) Xylem                      c) Stomata                      d) Root hairs

13. Plants absorb water through

- a) Phloem                      b) Xylem                      c) Stomata                      d) Root hairs

Q2. Fill Ups:

1. \_\_\_\_\_ and \_\_\_\_\_ are the two types of blood vessels.
2. The doctor feels the heartbeats with the help of \_\_\_\_\_ .
3. Aquatic animals excrete waste in the form of \_\_\_\_\_ .
4. \_\_\_\_\_ binds with oxygen and help in its transportation.
5. Pulse can be felt in \_\_\_\_\_ and \_\_\_\_\_ parts of the body.

6. In tissues arteries divide into thin tubes called \_\_\_\_\_.
7. \_\_\_\_\_ side of the heart has oxygen rich blood and \_\_\_\_\_ side had carbon dioxide rich blood.
8. Excretion is the removal of metabolic waste products called \_\_\_\_\_.
9. The heart is made up of special type of muscles, called \_\_\_\_\_.
10. \_\_\_\_\_ are thinnest blood vessel.
11. Except the \_\_\_\_\_ veins all other veins carry deoxygenated blood.
12. Kidneys eliminate the waste materials in the liquid form called \_\_\_\_\_.
13. Water reaches great heights in the trees because of suction pull caused by \_\_\_\_\_.
14. \_\_\_\_\_ is the instrument to amplify the sound of the heart.

Q3. Define:

- |                    |                     |
|--------------------|---------------------|
| i. Pulse Rate      | iv. Heartbeat       |
| ii. Excretion      | v. Vascular Tissues |
| iii. Transpiration | vi. Tissue          |

Q4. Give functions of the following:

- A. Urinary Bladder
- B. Root Hair
- C. Phloem

Q5. Differentiate between:

- |                         |                     |
|-------------------------|---------------------|
| 1. arteries and veins   | 3. Xylem and phloem |
| 2. atrium and ventricle | 4. RBC and WBC      |

Q6. Name the different types of cells present in blood along with their functions?

Q7. What is removed along with water as sweat?

Q8. Give the structure and function of human heart?

Q9. Why is transport of materials necessary in a plant or in an animal?

Q10. How does transportation of substances occur in plants? Explain in detail.

Q11. What is the composition of human urine?

Q12. How does pulse occur?

Q13. Which parts of the body comprise circulatory system?

Q14. Why is it necessary to excrete waste products?

Q15. How does heart avoid mixing of blood?

Q16. Radhey's grandmother's kidneys are not working properly. She requires regular dialysis.

Radhey is taking his grandmother regularly to hospital for dialysis.

(1) What is dialysis?

(2) List different parts of human excretory system.

(3) What moral values are shown by Radhey over here?

Q17. Sumit saw a road accident and immediately took the victim to the nearby hospital. Doctors gave a blood transfusion to the victim.

(1) Critically comment upon Sumit's attitude.

(2) After sometime Sumit found that at the place of minor cuts and injuries a small clot has formed on victim's body. What is the reason behind formation of a clot?