



DR. R. N. INTERNATIONAL SCHOOL

UNDER THE AGIS OF S. S. SITARAMSINGH EDUCATIONAL AND CHARITABLE TRUST
MOHANPUR, SITAMARHI- 843302

7. Circulatory and Excretory Systems

Word Meanings

1. Circulatory - परिसंचरण
2. Excretory - उत्सर्जन
3. Systems - तंत्र / प्रणाली
4. Heart - हृदय
5. Blood - रक्त
6. Vessels - वाहिकाएं
7. Chest - छाती
8. Pump - पंप
9. Chambers - कक्ष
10. Atria - अलिंद
11. Ventricles - निलय
12. Fluid - तरल
13. Oxygen - ऑक्सीजन
14. Nutrients - पोषक तत्व
15. Waste - अपशिष्ट
16. Infections - संक्रमण
17. Platelets - प्लेटलेट्स

18. Plasma - प्लाज्मा
19. Arteries - धमनियां
20. Veins - नसें / शिराएं
21. Capillaries - केशिकाएं
22. Kidneys - गुर्दे
23. Ureters - मूत्रवाहिनी
24. Bladder - मूत्राशय
25. Urethra - मूत्रमार्ग
26. Urine - मूत्र
27. Filter - छानना
28. Organ - अंग
29. Muscular - पेशीय
30. Pulse - नाड़ी

Solutions to Exercises

A. Tick (✓) the correct option.

1. What organ pumps blood throughout the body? **b) Heart**
2. What component of blood carries oxygen? **d) Red blood cells**
3. Which vessels carry blood away from the heart? **b) Arteries**
4. What is the function of the kidneys? **b) Filter blood**
5. Where is urine stored before it is expelled from the body? **c) Urinary bladder**

B. Write T for True statements and F for False statements.

1. The heart is part of the excretory system. **F**
2. White blood cells help fight infections. **T**
3. Veins carry oxygen-rich blood away from the heart. **F**
4. The kidneys are bean-shaped organs. **T**
5. The urethra stores urine until it is expelled. **F**

C. Match the columns.

1. Heart -> **d) Pumps blood**
2. Red Blood Cells -> **b) Carries oxygen**
3. Arteries -> **e) Carries blood away from heart**
4. Kidneys -> **a) Filters blood**
5. Urinary Bladder -> **c) Stores urine**

D. Answer the following questions.

1. **What are the four chambers of the heart called?**

The heart has two upper chambers called atria and two lower chambers called ventricles.

2. **Name the components of blood.**

The four main components of blood are red blood cells (RBCs), white blood cells (WBCs), platelets, and plasma.

3. **What is the main function of capillaries?**

Capillaries are tiny vessels where the exchange of oxygen, nutrients, and waste occurs.

4. **How do the kidneys help in the excretory system?**

The kidneys filter blood to remove waste and excess water, forming urine.

5. **Describe the path of urine from the kidneys to outside the body.**

Urine is filtered by the kidneys, travels through tubes called ureters to the urinary bladder where it is stored, and is finally carried to the outside of the body by a tube called the urethra.