

**BRAIN INTERNATIONAL SCHOOL**

**Biology Assignment**

**Class: X**

**July'24**

**Chapter-5:Life Processes .**

1. What is the advantage of having four chambered heart ?
2. Why do veins have thin walls as compared to arteries ?
3. State differences between artery, vein and capillary ?
4. With the help of neat labelled diagrams describe the structure and function of human heart.
5. With the help of diagrams describe the excretion in human beings .
6. Read the case and answer the questions that follows :

The force that blood exerts against the wall of a blood vessel is called blood pressure .This pressure is much greater in arteries than in veins. During ventricular systole ,the pressure of blood inside the artery is called systolic pressure and during ventricular diastole ,the pressure in the artery is called diastolic pressure.

- (i) What is the normal systolic pressure and diastolic pressure ?
- (ii) Which valves guard openings between right atria and left ventricle ,and left atria and left ventricle?
- (iii) Why are white blood corpuscles called ‘soldiers of the body’?

7. For questions, two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below:

(i) Both A and R is true and R is correct explanation of the assertion.

(ii) Both A and R is true but R is not the correct explanation of the assertion.

(iii) A is true but R is false.

(iv) A is false but R is true.

**Assertion (A):** Urinary tract infection is common in women than in men.

**Reason (R) :** Urethra is shorter in women than in men .

**Assertion (A) :** Veins are thin walled vessels and have valves in them.

**Reason(R):** Veins distribute blood to various parts of the body.