

DELHI PUBLIC SCHOOL, JAMMU
SESSION-2024-25
MONTH: MAY
ASSIGNMENT
TOPIC : LIFE PROCESSES (TRANSPORTATION & EXCRETION)

CLASS:X
SUB: BIOLOGY

MM: 10
Time: 30 Min

1. A blood vessel which pumps the blood from the heart to the entire body: 1
(a) artery
(b) capillary
(c) Vein
(d) Haemoglobin

2. Which part of nephron allows the selective reabsorption of useful substances like glucose, amino acids, salts and water into the blood capillaries? 1
(a) Tubule
(b) Glomerulus (c)
Bowman's capsule
(d) Ureter

Assertion-and-Reason Type question consists of two statements, namely, Assertion (A) and Reason (R). For selecting the correct answer, use the following code:

- (a) Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A).**
- (b) Both Assertion (A) and Reason (R) are the true but Reason (R) is not a correct explanation of Assertion (A).**
- (c) Assertion (A) is true and Reason (R) is false.**
- (d) Assertion (A) is false and Reason (R) is true.**

3. Assertion (A) : Human heart is four-chambered. 1
Reason (R) : Vena cava is the only artery that supplies deoxygenated blood to the heart.

4. Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds? 2

5. Describe double circulation in human beings. 2

6. Describe the structure and functioning of nephrons. 3

Students will do this assignment in their Biology assignment notebook. Assignment notebooks will be submitted to your Biology teacher on 21st of May.

