

1. Which of the following is not a part of the human excretory system?
 (a) Liver (b) Nephrons (c) Urinary bladder (d) Ureter
2. Select the incorrect match(es).

Organ	Function
(i) Kidney	- Urine formation
(ii) Skin	- Sweat formation
(iii) Heart	- Blood formation
(iv) Urethra	- Stores urine

 (a) Only (iii) (b) Only (iv) (c) (iii) and (iv) (d) (i) and (ii)
3. Valves are present in
 (a) arteries (b) veins (c) pulmonary artery (d) capillaries.
4. Animals which do not possess any circulatory system are
 (a) whales and octopus (b) frogs and fishes
 (c) sponges and Hydra (d) whales and frogs.
5. Oxygen-rich blood is present in _____ and _____ of the heart.
 (a) left atrium, left ventricle (b) right atrium, right ventricle
 (c) right atrium, left atrium (d) right ventricle, left ventricle
6. Which of the following transports water and mineral to different plant parts?
 (a) Xylem (b) Root (c) Phloem (d) Leaf
7. The process of loss of water in plants in the form of water vapour is called
 (a) circulation (b) osmosis (c) transpiration (d) suction.
8. They are pipe-like, consisting of a group of specialised cells. They transport substances and form a two way traffic in plants. Which of the following terms qualify for the features mentioned above?
 (a) Xylem tissue (b) Phloem tissue (c) Root hair (d) Both (b) and (c)
9. The absorption of nutrients and exchange of respiratory gases between blood and tissues takes place in
 (a) veins (b) arteries (c) heart (d) capillaries.
10. In a tall tree, which force is responsible for pulling water and minerals from the soil?
 (a) Gravitational force (b) Transportation force
 (c) Suction force (d) Conduction force

11. Aquatic animals like fish excrete their wastes in gaseous form as
(a) oxygen (b) hydrogen (c) ammonia (d) nitrogen.

Assertion-Reason Codes:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
(b) If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.
(c) If Assertion is true but Reason is false.
(d) If both Assertion and Reason are false.
12. Assertion: Arteries carry oxygen-rich blood from the heart to all parts of body.
Reason: The blood flow in arteries is at a high pressure.
13. Assertion: Stethoscope is used to amplify the sound of the heart.
Reason: Doctors can get clues about the condition of your heart by listening through a stethoscope.
14. Assertion: Oxygen rich blood and carbon dioxide rich blood are mixed in human heart.
Reason: mixing up of blood rich in oxygen with the blood rich in carbon dioxide. takes Place in ventricles
15. Assertion: The way in which the waste chemicals are removed from the body of the animals depends on the availability of water.
Reason: Aquatic animals like fishes, excrete cell waste as urea which directly dissolves in water.
16. Assertion: A tissue is a group of cells that perform specialised function in an organism.
Reason: Phloem is the vascular tissue which is meant for the transport of water and nutrients in the plant.