

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.