

→The blood vessels comprise:

- Veins – It supplies deoxygenated blood to the heart via inferior and superior vena cava, eventually draining into the right atrium.
- Capillaries – They are minuscule, tube-like vessels which form a network between the arteries and veins.
- Arteries – These are muscular-walled tubes responsible for supplying oxygenated blood away from the heart to all other parts of the body.

9. What is the function of the heart valves? Provide examples of various valves.

→Valves are flaps of tissues that are present in cardiac chambers between the veins. They prevent the backflow of blood. Examples include the atrioventricular valves, tricuspid valves, mitral valves and the semilunar valves.

10. What is meant by myocardial infarction?

→Myocardial infarction is a serious medical condition where the blood flow to the heart is reduced or entirely stopped. This causes oxygen deprivation in the heart muscles, and prolonged deprivation can cause tissues to die.

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