

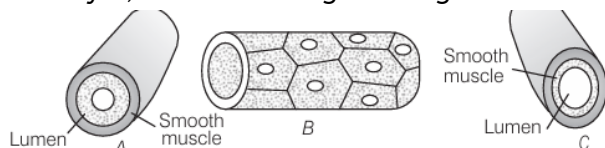
Yakeen NEET 2.0 2026

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Body Fluids and Circulation

DPP 07

Q1 Identify A, B and C in the given diagram.



Choose the **correct** option.

- (A) A–Artery, B–Capillary, C–Vein
 (B) A–Artery, B–Vein, C–Capillary
 (C) A–Vein, B–Artery, C–Capillary
 (D) A–Capillary, B–Artery, C–Vein

Q2 Assertion (A): The tunica media is comparatively thin in the veins.

Reason (R): Each vein consists of three layers; tunica intima, tunica media, and tunica externa.

- (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.

Q3 Match the List-I and List-II, and choose the correct combination.

| List-I | | List-II | |
|--------|----------------|---------|----------------------------------|
| A. | Tunica externa | P. | Mesothelial cells |
| B. | Tunica media | Q. | Single layer of epithelial cells |
| C. | Tunica intima | R. | Smooth muscles, elastic fibres |
| D. | Epicardium | S. | Elastic, collagen fibres |

- (A) A-(S); B-(R); C-(Q); D-(P)
 (B) A-(S); B-(Q); C-(R); D-(P)
 (C) A-(R); B-(S); C-(Q); D-(P)
 (D) A-(R); B-(Q); C-(P); D-(S)

Q4 Capillaries are the connection between

- (A) Arteries and veins
 (B) Veins and arteries
 (C) Arterioles and venules
 (D) None of the above

Q5 The largest artery in the body is

- (A) aorta
 (B) precaval
 (C) vena cava
 (D) pulmonary artery

Q6 Which of the following portal vein begins from intestine?

- (A) Hepatic portal vein
 (B) Renal portal vein
 (C) Placental portal vein
 (D) Hypophyseal portal vein

Q7 Fastest distribution of some injectible material/ medicine with no risk of any kind can be achieved by injecting it into the

- (A) Muscles
 (B) Arteries
 (C) Veins
 (D) Lymph vessels

Q8 The role of the coronary artery is

- (A) To carry blood away from the heart muscles
 (B) To supply blood to heart muscles



- (C) To supply blood to all parts of the body
- (D) None of the above

- Q9** Which circulation provides nutrients and oxygen to cardiac muscle tissue?
- (A) Pulmonary circulation
 - (B) Systemic circulation
 - (C) Lymphatic circulation
 - (D) Coronary circulation
- Q10** Which of the following is **correct** for double circulation?
- (A) Systemic circulation provides nutrients, oxygen and other essential substances to the tissues.
 - (B) Absorption of harmful substances is the function of double circulation.
 - (C) Carries blood from intestine to the kidney.
 - (D) All of these
- Q11** **Statement-I:** The pulmonary circulation starts by the pumping of oxygenated blood by the right

ventricle which is carried to the lungs where it is oxygenated and returned to the left atrium.

Statement-II: The systemic circulation starts with the pumping of oxygenated blood by the left ventricle through the aorta which is carried to all the body tissues and the deoxygenated blood from there is collected by the veins and returned to the right atrium.

- (A) Statement I and Statement II both are correct.
- (B) Statement I is correct, but Statement II is incorrect.
- (C) Statement I is incorrect, but Statement II is correct.
- (D) Statement I and Statement II both are incorrect.

- Q12** The circulation in which blood flows from heart to lungs and back to heart is known as;
- (A) systemic circulation;
 - (B) pulmonary circulation;
 - (C) open circulation;
 - (D) double circulation;



Answer Key

Q1 (A)

Q2 (B)

Q3 (A)

Q4 (C)

Q5 (A)

Q6 (A)

Q7 (C)

Q8 (B)

Q9 (D)

Q10 (A)

Q11 (C)

Q12 (B)



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