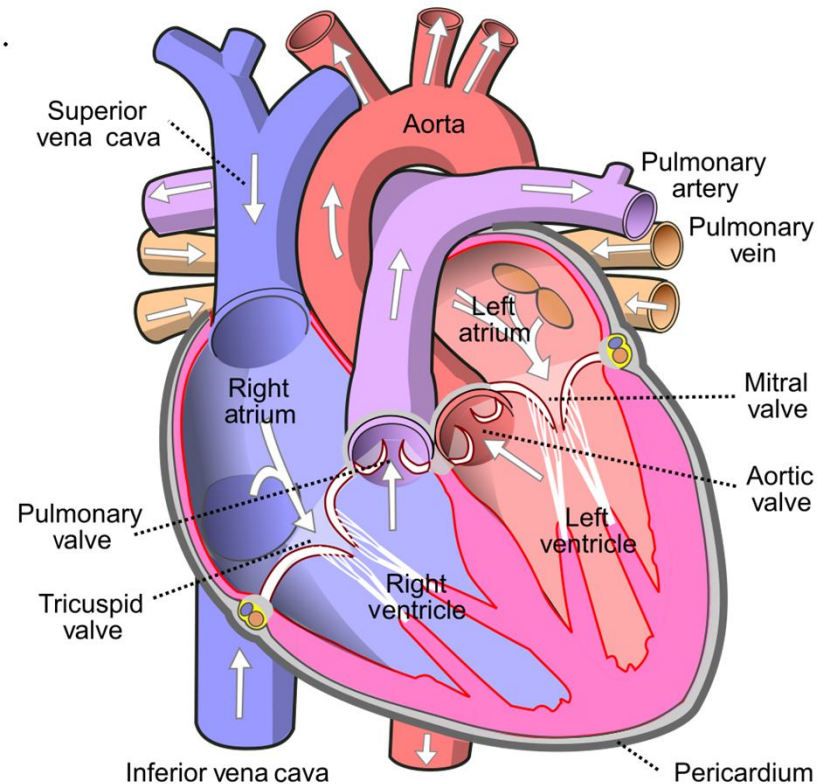


## **CASE STUDY QUESTION 39**

**Read the following and answer any four questions from (i) to (v)**

The human heart is a muscular organ made up of cardiac muscles. It is a four-chambered organ to prevent intermixing of oxygenated and de-oxygenated blood. A thick wall muscle called septum that separates the two sides left and right of the heart. Look at the picture.





(i) The upper two chambers and lower two chambers are called :

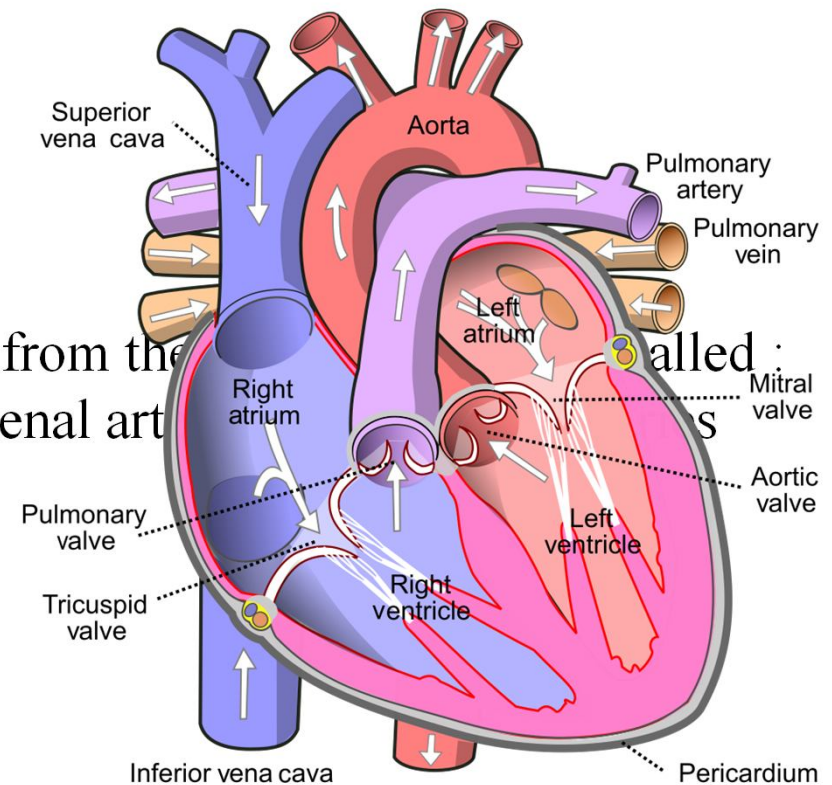
- (a) Ventricles and auricles respectively
- (b) Auricles and ventricles respectively
- (c) Ventricles and valves respectively
- (d) Arteries and veins respectively

**Ans: (b) Auricles and ventricles respectively**

(ii) The artery which carries de-oxygenated blood from the

- (a) Pulmonary artery
- (b) Hepatic artery
- (c) Renal artery

**Ans: (a) Pulmonary artery**





(iii) Pulmonary vein brings :

- (a) oxygenated blood from the lungs to the heart
- (b) de-oxygenated blood from the heart to the lungs
- (c) oxygenated blood from the heart to the lungs
- (d) de-oxygenated blood from the lungs to the heart

**Ans: (a) oxygenated blood from the lungs to the heart**

(iv) Tricuspid valve is found between :

- (a) right auricle and right ventricle      (b) left auricle and left ventricle
- (c) right auricle and left ventricle      (d) left auricle and right ventricle

**Ans: (a) right auricle and right ventricle**



(v) The de-oxygenated blood from the body organs first enters :

- (a) into right atrium of the heart through vena cava.
- (b) into left atrium of the heart through vena cava.
- (c) into right ventricle of the heart through vena cava.
- (d) into right atrium of the heart through aorta.

**Ans: (a) into right atrium of the heart through vena cava**

