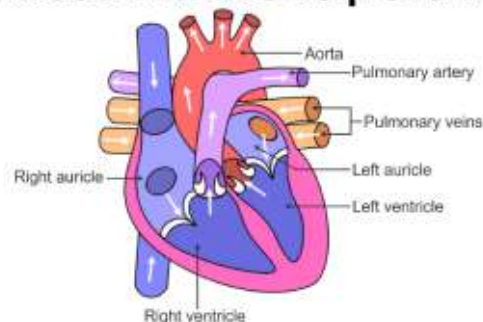
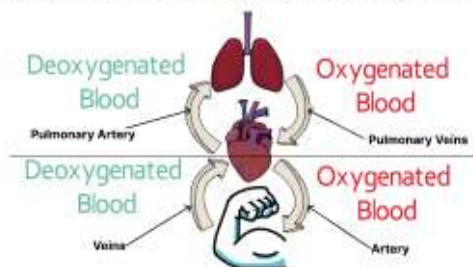
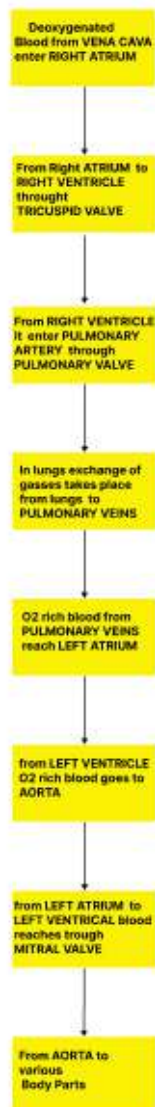


# Q. Explain Human Heart and Circulation of blood with the help of a well labeled diagram?



## Flow Chart of Circulation of blood



## Working of HUMAN HEART

- 1. VENA CAVA:-** It collects and carry deoxygenated blood form different parts of body to the RIGHT ATRIUM of heart. VENA CAVA has 2 parts Superior and Inferior VENA CAVA
- 2. RIGHT ATRIUM:-** Blood moves down to RIGHT VENTRICLE through TRICUSPID VALVES.
- 3. RIGHT VENTRICLE:-** Blood moves out of it to PULMONARY ARTERY through PULMONARY VALVE.
- 4. PULMONARY ARTERY:-** It carries deoxygenated blood from heart to lungs for gasses exchange, making blood O<sub>2</sub> rich.
- 5. PULMONARY VEINS:-** It carries O<sub>2</sub> rich blood from lungs to LEFT ATRIUM of heart .
- 6. LEFT ATRIUM:-** It passes down O<sub>2</sub> rich blood to LEFT VENTRICLE of heart through MITRAL VALVE .
- 7. LEFT VENTRICLE:-** It passes down O<sub>2</sub> rich blood to AORTA from LEFT VENTRICLE of heart through AROTIC VALVE.
- 8. AROTA:-** It passes down or distributes O<sub>2</sub> rich blood to different parts of body.

### NOTE-

1. Super VENA CAVA- carry blood from upper part of body example head & neck area.
2. Inferior VENA CAVA- carry blood from down part of body example legs & hips area
3. Pulmonary Artery- carry deoxygented blood.
4. Pulmonary veins-carry oxygenated blood.