

# Yakeen NEET 2.0 2026

## Zoology By Samapti Sinha Ma'am

### Body Fluids and Circulation

DPP: 8

- Q1** Parasympathetic neural signals can:
- (A) decrease the rate of heart beat.
  - (B) increase the speed of conduction of action potential.
  - (C) decrease the cardiac output.
  - (D) Both (A) and (C)
- Q2** Cardiac activity could be moderated by the autonomic neural system. Choose the **correct** answer.
- (A) Parasympathetic system increases heart rate and stroke volume.
  - (B) Sympathetic system increases heart rate and stroke volume.
  - (C) Parasympathetic system decreases the heart rate but increase stroke volume.
  - (D) Sympathetic system decreases the heart rate but increase stroke volume.
- Q3** Read the following statements.
- Statement-I: Tunica media is a middle layer of the heart with smooth muscle and elastic fibres.
- Statement-II: Parasympathetic neural signals decrease the rate of heart beat, speed of conduction of action potential and thereby the cardiac output.
- Mark the correct choice as:
- (A) Both Statement-I and Statement-II are correct.
  - (B) Both Statement-I and Statement-II are incorrect.
  - (C) Statement-I is correct & Statement-II is incorrect.
  - (D) Statement-I is incorrect & Statement-II is correct.
- Q4** Coronary artery disease (CAD) is also referred as;
- (A) atherosclerosis.
  - (B) angina.
  - (C) heart failure.
  - (D) heart attack.
- Q5** **Statement-I:** 190/110 mm Hg blood pressure may harm vital organs like brain and kidneys.  
**Statement-II:** Repeated 140/90 mm Hg blood pressure is considered as hypertension and requires treatment.
- (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.
- Q6** **Statement I:** Heart failure is sometimes called congestive heart failure.  
**Statement II:** Congestion of the lungs is one the main symptoms of heart failure.
- (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.

- Q7** When the heart muscle is suddenly damaged by an inadequate blood supply, it is called;  
 (A) heart attack.  
 (B) heart failure.  
 (C) cardiac arrest.  
 (D) CAD

- Q8** Match the diseases given in List-I with its brief descriptions in List-II.

List-I		List-II	
A.	Cardiac arrest	P.	Heart muscle is suddenly damaged by an inadequate blood supply.
B.	Heart failure	Q.	Formation of plaques in the walls of arteries.
C.	Heart attack	R.	Heart stops beating.
D.	Atherosclerosis	S.	Heart is not pumping blood effectively enough to meet the needs of the body.

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

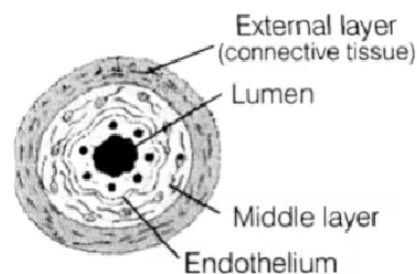
- Q9** Match List-I with List-II to find out the correct option.

	List-I		List-II
I.	CAD	A.	Heart is not pumping blood effectively
II.	Heart failure	B.	Affect the vessels that supply blood to heart
III.	Heart attack	C.	Acute chest pain
IV.	Angina pectoris	D.	Heart muscle is suddenly damaged

- (A) I- (A), II- (B), III- (C), IV- (D)

- (B) I- (B), II- (A), III- (D), IV- (C)  
 (C) I- (A), II- (B), III- (D), IV- (C)  
 (D) I- (D), II- (B), III- (C), IV- (A)

- Q10** Refer to the given diagram.



The given vessel carries blood

- (A) away from the heart  
 (B) towards the heart  
 (C) which is deoxygenated without any exception  
 (D) None of the above

- Q11** Which of the following best describes an artery?

- (A) Carries blood away from the heart  
 (B) Carries oxygenated blood  
 (C) Contains valves  
 (D) Has thin walls

- Q12** Sphygmomanometer is an instrument used to record

- (A) systolic pressure  
 (B) diastolic pressure  
 (C) Both systolic and diastolic pressure  
 (D) None of the above

- Q13** X is present in our body exclusively for the circulation of blood to and from the cardiac musculature. Identify X.

- (A) Coronary arteries  
 (B) Coronary veins  
 (C) Coronary circulation  
 (D) Coronary pathway

- Q14** Read the following statements and find out the incorrect statement.



- (A) The heart is auto-excitabile, its functions can be moderated by neural and hormonal mechanisms.
- (B) Angina pectoris can occur in men and women of any age but it is more common among the middle-aged and elderly.
- (C) Heart failure is same as cardiac arrest or heart attack.
- (D) CAD is caused by deposits of calcium, fat, cholesterol and fibrous tissues, which make the lumen of arteries narrower.

**Q15** Read the following statements and find out the **incorrect** statements.

- I. All vertebrates and a few invertebrates have a closed circulatory system.
  - II. CAD affects the vessels that supply blood to the skeletal muscles.
  - III. In angina, a symptom of chronic chest pain appears when no enough oxygen is reaching the heart muscle.
  - IV. Heart attack means the state of heart when it is not pumping blood effectively enough to meet the needs of the body.
- (A) III and IV only
  - (B) II and IV only
  - (C) I, III and IV only
  - (D) II, III and IV only



## Answer Key

Q1 (D)

Q2 (B)

Q3 (D)

Q4 (A)

Q5 (A)

Q6 (A)

Q7 (A)

Q8 (B)

Q9 (B)

Q10 (A)

Q11 (A)

Q12 (C)

Q13 (C)

Q14 (C)

Q15 (D)



[Master NCERT with PW Books APP](#)