## Bio Tuition Wala Std 11 : Biology

Neet test series

Chapters : Body fluids & Circulation
Total Marks · 80 marks

Section	A

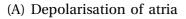
Write the answer of the following questions. [Each carries 1 Mark]

[20]

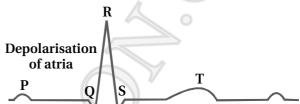
Date:.....

Time:.....

- 1. Cardiac activity could be moderated by the autonomous neural system. Tick the correct answer:
  - (A) The parasympathetic system stimulates heart rate and stroke volume.
  - (B) The sympathetic system stimulates heart rate and stroke volume.
  - (C) The parasympathetic system decreases the heart rate but increase stroke volume.
  - (D) The sympathetic system decreases the heart rate but increase stroke volume.
- 2. ECG depicts the depolarisation and repolarisation processes during the cardiac cycle. In the ECG of a normal healthy individual one of the following waves is not represented.



- (B) Repolarisation of atria
- (C) Depolarisation of ventricles
- (D) Repolarisation of ventricles



- 3. The second heart sound (dub) is associated with the closure of ........
  - (A) Tricuspid valve
  - (1) Tricuspia varve
  - (C) Bicuspid valve

- (B) Semilunar valves
- (D) Tricuspid and bicuspid valve

4. Match the following columns.

Column-I	Column-II
(a) Lymphatic system	(i) Carries oxygenated blood
(b) Pulmonary vein	(ii) Immune response
(c) Thrombocytes	(iii) To drain back the tissue fluid to the circulatory system
(d) Lymphocytes	(iv) Coagulation of blood

- 5. What would be the cardiac output of a person having 72 heart beats per minute and a stroke volume of 50 ml?
  - (A) 360 ml
- (B) 3600 ml
- (C) 7200 ml
- (D) 5000 ml
- 6. Read the following statements and choose the correct option.
  - Statement 1: Atria receive blood from all parts of the body which subsequently flows to ventricles.
  - Statement 2: Action potential generated at sino-atrial node passes from atria to ventricles.
  - (A) Action mentioned in Statement 1 is dependent on action mentioned in Statement 2
  - (B) Action mentioned in Statement 2 is dependent on action mentioned in Statement 1
  - (C) Action mentioned in Statement 1 and 2 are independent of each other.
  - (D) Action mentioned in Statement 1 and 2 are synchronous.
- - (A) It gives rest to auricles.
  - (B) It makes strong contraction of right auricle.

	<ul><li>(C) It helps ventricle in receiving more blood from auricles.</li><li>(D) Helps right auricle to receive blood from vena cava.</li></ul>					
8.	For the contraction of cardiac muscles circulatory system produces potentiality in each part but sinoatrial node act as pace maker because					
9.	In four slides separately drop of each is placed. Among which drop will not coagulate?  (A) Thin fluid portion of blood.  (B) One sample from thoracic duct of lymphatic system.  (C) All blood of pulmonary vein.  (D) Serum					
10.	Patient brought in hosp (A) Penicillin	ital with myocardial infec (B) Streptokinase	ction, should normally give (C) Cyclosporin-A	en immediately.  (D) Statins		
11.	Heart of crocodiles and (A) 3 chambered (C) 2 chambered	birds are	(B) 4 chambered (D) incomplete 3 chamb	pered		
12.	Pacemaker of heart is (A) SA Node	(B) AV Node	(C) AV septa	(D) IA septa		
13.	Graveyards of RBC (A) Liver	(B) Spleen	(C) Kidney	(D) Heart		
14.	Following are Agranuloc (A) Monocytes	ytes (B) Eosinophils	(C) Lymphocytes	(D) Both (A) and (C)		
15.	Duration of cardiac cycle (A) 0.1 sec		(C) 0.4 sec	(D) 0.8 sec		
16.	What is very common among middle aged and elderly women and men?  (A) CAD  (B) Angina  (C) Cardiac arrest  (D) All of these					
17.						
18.	<ul> <li>A: Pulmonary vein contains oxygenated blood.</li> <li>R: It brings oxygenated blood from lungs.</li> <li>(A) A and R both are correct and R is correct explanation of A.</li> <li>(B) A and R are correct but R is not correct explanation of A.</li> <li>(C) A is correct and R is false.</li> <li>(D) Both A and R are false.</li> </ul>					
19.	Given below are two statements:  Statement I: The coagulum is formed of network of threads called thrombins.  Statement II: Spleen is the graveyard of erythrocytes.  In the light of the above statements, choose the most appropriate answer from the options given					

below:

- (A) Statement I is correct but Statement II is incorrect
- (B) Statement I is incorrect but Statement II is correct
- (C) Both Statement I and Statement II are correct
- (D) Both Statement I and Statement II are incorrect
- 20. Match the following columns and select the correct option.

Column-I	Column-II	
(a) Eosinophils	(i)	Immune response
(b) Basophils	(ii)	Phagocytosis
(c) Neutrophils	(iii)	Release histaminase destructive enzymes
(d) Lymphocytes	(iv)	Release granules containing histamine

(A) (a - iv) (b - i) (c - ii) (d - iii)

(B) (a - i) (b - ii) (c - iv) (d - iii)

(C) (a - ii) (b - i) (c - iii) (d - iv)

(D) (a - iii) (b - iv) (c - ii) (d - i)