

Class: XIth Subject: BIOLOGY
Date: DPP No.: 10

Topic :- Body Fluids and Circulation

Heart rate = 5 L/m

1.	Cardiac output is	
	a) Stroke volume \times Heart rate = 72 mL/m	b) Stroke volume ×

c) Stroke volume \times Heart rate = 500 mL d) Stroke volume \times Heart rate = 3 L/m

2. In bird and mammals, the oxygenated blood received by ...A... and deoxygenated blood receive by ...B... . The ventricles pump in out without any mixing up of oxygenated and deoxygenated blood

Choose the correct option for A and B

a) A-left atria, B-right atria b) B-right atria, A-left atria

c) A-right ventricle, B-left ventricle d) A-left ventricle, B-right ventricle

3. Foramen ovale

a) Connects the two atria in the foetal heart

b) Is a condition in which the heart valves do not completely close

c) Is a shallow depression in the interventricular septum

d) Is a connection between the pulmonary trunk and the aorta in the foetus

4. The name of the pace maker of heart is

a) Lymph node b) SA node

c) Juxtaglomerular apparatus d) Semilunar valve

5. Hepatic portal system is a

a) Vascular connection between the digestive tract and liver

b) Vascular connection between the liver and lungs

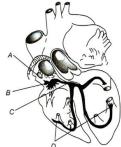
c) Vascular connection between the spleen and liver

d) Vascular connection between the digestive tract and spleen

6. Ventricles are related to

a) Heart only b) Brain only c) Both (a) and (b) d) None of these

7. Identify the correct labelling for A, B, C and D and choose the correct option accordingly



- a) A-Sinoauricular node, B-Atrioventricular node, C-Bundle of His, D-Purkinje fibre
- b) A-Sinoauricular node, B-Atrioventricular node, C-Purkinje fibre, D-Bundle of His
- c) A-Purkinje fibre, B-Atrioventricular node, C-Bundle of His, D-Sinoauricular node
- d) A-Purkinje fibre, B-Bundle of His, C-Sino auricular node, D-Atriventricular node
- 8. Which is largest among the given type of leucocytes?
 - a) Eosinophils
- b) Basophils
- c) Monocytes
- d) Lymphocytes
- 9. Which system has a major role in defence against infection?
 - a) Respiratory system b) Circulatory system c) Lymphatic system
- d) All of these
- 10. People living at sea level have around 5 million RBCs per cubic millimetre of their blood, whereas those living at an altitude of 5400 metres have around 8 million. This is because at high altitude
 - a) People get pollution-free air to breathe and more oxygen is available
 - b) Atmospheric oxygen level is less and, hence more RBCs are needed to absorb the required amount of oxygen to survive
 - c) There is more UV radiation, which enhances RBCs production
 - d) People eat more nutritive food, therefore, more RBCs are formed
- 11. Which of the following does not control the heart beat?
 - a) Vagus

b) Epinephrine

c) Norepinephrine

- d) Glossopharyngeal nerve
- 12. Fats in the human body are absorbed through
 - a) Lymph
- b) Phagocytes
- c) Monocytes
- d) Both (b) and (c)

- 13. The graveyard of RBC is
 - a) Liver
- b) Stomach
- c) Spleen
- d) Bone marrow

- 14. Angina occurs due to
 - a) When enough oxygen is reaching to heart muscle
 - b) When not enough oxygen is reaching to heart muscle
 - c) The deposition of carbohydrates artery
 - d) The deposition of protein in artery

15.	Haemoglobin molecule is made up of			
	a) One α -chain and one β -chain	b) Two α -chains and two β-chains		
	c) Two α -chains and one β -chain	d) One α-chain and two	β-chains	
16.	Arteries are best defined as the vessels which			
	a) Carry blood away from the heart to different organs			
	b) Break up into capillaries which reunite to for	rm a vein		
	c) Carry blood from one visceral organ to another visceral organs			
	d) Supply oxygenated blood to the different org	gans		
17.	Autoexitable fibres/nodes are called			
	a) Nodal musculature b) Cardiac nerves	c) Neurons	d) All of these	
18.	The name Rh blood group is derived from			
	a) Chimpanzee b) Monkey	c) Man	d) Primitive man	
10				
19.	. A specialised cardiac musculature calledA tissue is also distributed in the heart. A patch this tissue is present in the right upper corner of the right atrium calledB Another mas			
	this tissue is seen in the lower left corner of the			
	septum calledC	e right attrum close to th	e att to-venti iculai	
	Choose the correct option for A, B and C			
	a) A-Nodal tissue, B-SAN, C-AVN	b) A-Nodal tissue, B-AV	'N, C-SAN	
	c) A-AVN, B-Nodal tissue, C <mark>-SAN</mark>	d) A-SAN, B-AVN, C-No	dal tissue	
20.	Advantage of closed circulatory system is that			
	a) Exchange occurs more ra <mark>pidl</mark> y	b) Flow of blood more	precisely regulated	
	c) It can support high metabolic activity	ty d) All of the above		