## **GPLUS EDUCATION**

Date: Time: **BIOLOGY** Marks: **BODY FLUIDS AND CIRCULATION** Single Correct Answer Type Which of the following blood vessels in the circulatory system of frog has more deoxygenated blood? a) Pulmonary artery b) Precaval veins c) Pulmocutaneous artery d) Pulmocutaneous vein 2. Which one indicates hypertension or high blood pressure (BP) d) 140/90 a) 120/80 b) 110/70 c) 130/80 3. Identify the correct statement I. The impulse of the heart beat originates from SAN II. Rate of the heart is determined by SAN III. Bundle of His/AV bundle is present in the interventricular septum IV. Atrio Ventricular Node (AVN) is situated in the lower left corner of the right auricle Choose the correct option a) All except II b) All except I c) All except III d) All of these Choose the correct pathway on the transmission of impulse in the heart beat, a) AV-node  $\rightarrow$  SA-node  $\rightarrow$  Bundle of His  $\rightarrow$  Purkinje fibres b) SA-node → AV-node → Bundle of His → Purkinje fibres c) SA-node  $\rightarrow$  Bundle of His  $\rightarrow$  AV-node  $\rightarrow$  Purkinje fibres d) AV-node  $\rightarrow$  Bundle of His  $\rightarrow$  SA-node  $\rightarrow$  Purkinje fibres Water circulatory system in found in II. Hydra I. Sponge III. Annelida IV. Starfish V. Arthropoda Choose the correct option a) I, II and III b) III, IV and V c) I, II and IV d) II, IV and V Which of the following is an example of buffer system in blood? a) Haemoglobin and oxyhaemoglobin b) Oxygen and carbon dioxide c) Albumin and globulin d) Sodium bicarbonate and carbonic acid In an open circulatory system, a) There is no distinction between the blood and the tissue fluid b) Of tissue fluid is absent c) No need of blood vessels d) Open space or sinuses are absent Primary blood cells are formed in a) Plasma b) Bone marrow c) Liver d) Spleen Properties of leucocytes are I. they are nucleated II. they are denucleated like RBC III. they are  $6000-8000 \text{ mm}^{-3}$  of blood IV. they are long lived V. they are short lived

GPLUS EDUCATION WEB: WWW.GPLUSEDUCATION.ORG PHONE NO: 8583042324 Page | 1

Choose the appropriate option with correct properties

				<b>Gplus Education</b>			
	a) I, III and V	b) II, IV and V	c) I, IV and V	d) I, III and V			
10.	SAN can generate impu	lses					
	a) $70 - 75  \text{min}^{-1}$	b) $50 - 55  \text{min}^{-1}$	c) $100 - 150 \mathrm{min}^{-1}$	d) 35– 40 min <sup>–1</sup>			
11.	Haematuria means						
	a) RBCs in the urine	b) WBCs in the urine	c) Both (a) and (b)	d) None of these			
12.	An oval depression call	ed fossa ovalis, is seen on					
	a) Inter-atrial septum		b) Inter-ventricular se	ptum			
	c) Right-auriculo-ventr	icular septum	d) Left auriculo-ventri	cular septum			
13.	Which of the following	acts as 'middle man of the b	ody'?				
	a) Plasma	b) Lymph	c) RBCs	d) RBCs			
14.	Coronary heart disease	is due to					
	a) <i>Streptococci</i> bacteri	a	b) Inflammation of per	ricardium			
	c) Weakening of the he	art valves	d) Insufficient blood st	apply to the heart muscles			
15.	Pulse beat is measured	from					
	a) Arteries	b) Veins	c) Capillaries	d) Nerves			
16.	Which of the following	is incorrect?					
	a) Heart is endodermal in origin						
	b) Human heart is situa	b) Human heart is situated in the between the two lungs slightly tilted to left					
	c) Heart is a double wa	lled membranous bag					
	d) Human heart has two	o atria and two ventricles					
17.	· -	elaborated network of ves					
	a) Interstitial fluid	b) Intrastitial fluid	c) Plasma fluid	d) Protein fluid			
18.		y the correct statements a	>				
		ria is the greater than the v		5			
		II. Volume of both the ventricle is greater than the volume of both the atria					
		III. Inter-ventricular septum separates the right and the left atria					
		otum don't separates the at	rium and ventricle				
	Choose the correct opti		CATION				
	a) All except I	b) All except II	c) All except III	d) All except IV			
19.	=	=	=	o a simultaneous contraction			
	calledB This increases the flow of the blood into the ventricles by aboutC percentage						
	Choose the correct opti						
	a) A-atria, B-asterial sy		b) A-ventricle, B-asterial systole, C-30				
	c) A-atria, B-ventricula		d) A-atria, B-asterial d	iastole, C-30			
20.		of glucose in the blood of n					
	a) Plasma	b) RBCs	c) WBCs	d) Serum			
21.	Systemic heart refers to						
	a) Enteric heart in lower						
	b) The two ventricles to	- <del>-</del>					
	=	acts under stimulation from					
0.0		entricle in higher vertebra					
22.	<del>-</del>	can be considered as the bl	<del>-</del>				
00	a) Spleen	b) Heart	c) Liver	d) Lungs			
23.	-	blood vessels in living body	· •				
	a) Prothrombin		b) Heparin				

c) Prothrombin and calcium together

I. Blood flows in the open tissue space, the sinuses II. Blood is in direct contact with the tissues cells

24. Characteristic of open circulatory system

III. Blood flow is slow

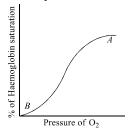
**GPLUS EDUCATION** 

WEB: <u>WWW.GPLUSEDUCATION.ORG</u> PHONE NO: 8583042324 P a g e | 2

d) Plasminogen and calcium together

			opius zaacatio	
	IV. Blood pressure is high			
	Choose the option with characteristics			
	a) All except II b) All except I	c) All except III	d) All except IV	
25.	In a healthy adult man the normal diastolic pressure		D 400 Y	
0.6	a) 90 mm Hg b) 120 mm Hg	c) 80 mm Hg	d) 100 mm Hg	
26.	Which of the following carries glucose from digestiv		D.M C.1	
27	a) Hepatic artery b) Hepatic portal vein	c) Pulmonary vein	d) None of these	
27.	When the balloon of nitre-aortic balloon pump inflat			
20	a) Coronary artery b) Pulmonary trunk	c) Hepatic portal	d) Pulmonary arteries	
28.	Clotting disorders occur mainly due to the reduction a) Granulocytes b) RBC	c) WBC	d) Platelets	
29.	Which one of the following is a matching pair of a ce	•		
۷۶.	human adult?	rtain body leature and its v	aiue/count in a noi mai	
	a) Urea - 5 – 10 mg/100 mL of blood			
	b) Blood sugar - 70 - 100 mg/100 mL			
	(fasting)			
	c) Total blood volume - 5 - 6			
	d) ESR in Wintrobe - 9 – 15 mm in males and			
	20 – 34 mm in females			
30.	Which of the following are erythropoietic organs?			
	I. liver			
	II. lymph node			
	III. spleen	>		
	IV. white bone marrow			
	V. red bone marrow			
	Choose the correct option			
	a) All except I b) All except II	c) All except I	d) All except IV	
31.	Prothrombin is	AHON		
	a) Formed in liver	b) Formed by vitamins		
22	c) Changed to thrombin by prothrominase Spiral valve is present in	d) All of the above		
32.	•	c) Right ventricle	d) Truncus artoriosus	
33	<ul><li>a) Right auricle</li><li>b) Sinus venosus</li><li>Choose the correct statements regarding the human</li></ul>	, ,	d) Truncus arteriosus	
33.	I. The volume of the blood in an adult is 5 L	blood		
	II. It constitutes 30-35% of the total extracellular flu	id		
	III. Glucose concentration in the blood is 50mg/100			
	IV. Cholesterol concentration in the blood is 30 mg/			
	V. Urea level in the blood is 10 mg/100 mL			
	The option with correct statements is			
	a) I, II and III b) III, IV and V	c) IV and V	d) I and II	
34.	A doctor suggested not to have more than one child	to a couple because		
	a) Male is Rh <sup>+</sup> and female is Rh <sup>-</sup>	b) Male is Rh <sup>-</sup> and female	e is Rh <sup>+</sup>	
	c) Male is Rh <sup>-</sup> and female is Rh <sup>-</sup>	d) Male is Rh <sup>+</sup> and female	e is Rh <sup>-</sup>	
35.	Leucocytes are colourless due to			
	a) Lack of water	b) Lack of haemoglobin		
	c) Presence of extra water	d) Presence of haemoglob		
36.	When two atria contract simultaneously and results			
<b>-</b>	a) Arterial diastole b) Arterial systole	c) Ventricular diastole	d) Ventricular systole	
37.	In haemoglobin, which amino acid acts as blood buff		15.7	
	a) Histidine b) Glutamine	c) Aspartic	d) Lysine	

38. Identify *A* and *B* in the given graph and choose the correct option accordingly



- a) A-Lungs; B-Liver
- b) A-Lungs; B-Tissue
- c) A-Tissue; B-Lungs
- d) A-Kidney; B-Liver

- 39. Double circulation is
  - a) Passage of blood twice in heart through the same way
  - b) Passage of blood twice in heart through the unique way
  - c) Passage of blood twice in heart through the separate way
  - d) None of the above
- 40. Atrial diastole takes place when
  - a) Right atrium is filled with blood
- b) Left atrium is filled with blood
- c) Both atriums are filled with blood
- d) Both ventricles are filled with blood

- 41. Find out the wrong match
  - a) Eosinophils Allergic response
  - b) Basophils Secrete histamine and serotonin
  - c) Neutrophils Phagocytic and destroy foreign organisms
  - d) Monocytes Secrete heparin
- 42. Select the lymphoid organs from the given choices
  - I. Lymph node
- II. Thymus gland
- III. Red bone marrow IV. liver
- V. Spleen
- VI. Osteocytes
- VII. Peyer's patches

The correct option with correct choices is

- a) I, II, III and IV
- b) III, IV, V and VI
- d) I, II, IV, V and VII
- 43. Exchange of gases, nutrient, etc., between the blood and the cells takes place through

b) WBC

- c) Interstitial fluid
- d) Intrastitial fluid

44. Formed elements present in the human blood are

I. erythrocytes II. leucocytes

III. platelets IV. plasma

V. plasma

Chooses the correct option

- a) I, II and III
- b) II, III and IV
- c) III, IV and V
- d) I, II, III, IV and V
- 45. The opening of auricles and ventricles on the right side is guarded by
  - a) Tricuspid valve
- b) Bicuspid valve
- c) Semilunar valve
- d) Eustachian tube

- 46. In humans, RBCs are formed in
  - a) Red bone marrow

b) Heart

c) Lungs

- d) Yellow bone marrow
- 47. In frog's heart, there are cardiac muscles, which consists of fibres called
  - a) Purkinje fibres
- b) Myonemes
- c) Telodendria
- d) Columnae carnae

- 48. Bicuspid valves are found in between
  - a) Right ventricle and right auricle

b) Right ventricle and left auricle

c) Left ventricle and left auricle

- d) Right ventricle and left auricle
- 49. Among the following stem cells, which are found in the umbilical cord?
  - a) Embryonic stem cells

b) Adult stem cells

c) Cord blood stem cells

d) All of these

50.	Congestion of the lungs is one of the main symptoms	s in	
	a) Hypotension	b) Coronary artery diseas	se
	c) Angina	d) Heart failure	
51.	ECG is a graphical representation of the electric activ	vity of the heart during	
	a) Cardiac systole	b) Cardiac diastole	
	c) Cardiac cycle	d) Ventricular and atrial of	diastole
52.	Which is correct for artery?		
	a) Thick-walled in which blood flows at high pressu	re	
	b) Thin-walled and blood flow with low pressure		
	c) Thick-walled and blood flow with low pressure		
	d) None of the above		
53.	Human blood consists of		
	a) Fluid matrix b) Plasma	c) Formed elements	d) All of the above
54.	Identify wheather the given statements are true or f	•	,
	I. It checks the mixing of oxygenated and deoxygena		
	II. It carries only oxygenated blood		
	Choose the correct option accordingly		
	a) I-False, II-False b) I-True, II-True	c) II-False, True	d) II-True, False
55.	I. Neutrophils II. Eosinophils	-,,	,
	III. Basophils IV. Lymphocytes		
	V. Monocytes		
	Identify wheather the given cell types are granulocy	tes (A) and agranulocytes (	(B) and choose the correct
	option accordingly		
	A B		
	a) I,II,III IV,V	b) I,III,IV II,V	
	c) IV,V I,II,III	d) II,V I,III,IV	
	· , · · · · · · · · · · · · · · · · · ·	-, -, -, -, -, -, -, -, -, -, -, -, -, -	
56.	To obtain a standard ECG, the patient is connected to	o the machine with three el	ectrical leads. These three
56.	To obtain a standard ECG, the patient is connected to electrical lead are connected as one each to the	o the machine with three el	ectrical leads. These three
56.	electrical lead are connected as one each to the	'ATION	
56.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the  a) Biceps and third one at the ankle  c) Thigh and third one at the ankle	'ATION	at the ankle
	electrical lead are connected as one each to the  a) Biceps and third one at the ankle	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting	b) Triceps and third one a	at the ankle
	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape	b) Triceps and third one add) Wrist and third one at	at the ankle the ankle
57.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties	b) Triceps and third one a d) Wrist and third one at c	at the ankle
57.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are	b) Triceps and third one a d) Wrist and third one at c	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one at d) Wrist and third one at c) III, IV and V formed in c) Kidney	at the ankle the ankle d) III, II and IV d) Red bone marrow
57. 58.	electrical lead are connected as one each to the  a) Biceps and third one at the ankle c) Thigh and third one at the ankle Properties of human RBCs are I. devoid of nucleus II. formed in bone marrow III. possess healing properties IV. biconcave in shape V. help in blood clotting Choose the option with correct properties a) I, II and III b) I, II and IV Erythrocytes of adult rabbit and other mammals are a) Liver b) Spleen In given diagram which one is vena cava?	b) Triceps and third one a d) Wrist and third one at c) III, IV and V e formed in	at the ankle the ankle d) III, II and IV

	II. Phrenic		
	III. Coeliac		
	IV. Anterior mesenteric		
	V. Posterior mesenteric		
	Of these which set of arteries supply the blood to the	ne glands of digestive syst	em?
	a) I and II b) III and IV	c) IV and V	d) II and III
61.	Heart beat increases by	,	,
	a) Adrenal hormones	b) Sympathetic nerves	
	c) Both (a) and (b)	d) Parasympathetic nei	rve
62.	Which of the following statement (s) is/are incorre	, , ,	
	I. The AV node and the bundle of His constitute, the		ne atria and the ventricles
	II. The bundle of His is a bundle of electrical nodes		
	III. The bundle of His is a group of fibres that carry		
	IV. The bundle of His is located in the artrial region	-	ough the centre of the heart
	Choose the correct option		
	a) II, III and IV b) I, III and IV	c) I, II and IV	d) I, II and III
63	When thromboplastin is released in humans?	c) i, ii uiiu i v	a) i, ii ana iii
001	a) During hypertension	h) Ry the traumatised o	cell at the place of injury
	c) In the condition of erythroblastosis foetalis	d) During anaemia	ten at the place of injury
64	Blood pressure is controlled by	a) buring anacima	
04.	a) Adrenal b) Thyroid	c) Thymus	d) Corpus luteum
65	Atherosclerosis is called	c) Thymus	a) corpus fateam
03.	a) Coronary artery disease	b) Angina	
	c) Heart failure	d) Hypertension	
66.	Haemoglobin is	d) Hypertension	
00.	a) An oxygen carrier in human blood	b) A protein used as foo	nd sunnlement
	c) An oxygen scavenger in root nodules	d) A plant protein with	
67.	In a healthy adult man, the normal diastolic pressur		mgn rysme content
07.	a) 90 mm Hg b) 120 mm Hg	c) 80 mm Hg	d) 100 mm Hg
68	You are required to draw blood from patient and to	,	j
00.	and plasma. You are also provided with the following		-
	Which of them will you not use for the purpose?	ing rour types or test tubes	•
	a) Test tube containing calcium bicarbonate	b) Chilled test tube	
	c) Test tube containing heparin	d) Test tube containing	sodium oxalate
69.	During ventricular systole	aj rest tabe contaming	, sourcin oxulace
071	a) Oxygenated blood is pumped into the pulmonary	v artery and deoxygenated	d blood is numbed into the
	artery	, ar tory and deonygenates	a stood to pumped mee die
	b) Oxygenated blood is pumped into the aorta and	deoxygenated blood is pu	mped into the pulmonary vein
	c) Oxygenated blood is pumped into the pulmonary		
	pulmonary artery	, , , , , , , , , , , , , , , , , , , ,	
	d) Oxygenated blood is pumped into the aorta and	deoxygenated blood is pu	mped into the pulmonary
	artery		,
70.	Pacemaker in heart is situated		
,	a) In the wall of left atrium	b) In the wall of right a	trium
	c) On inter-auricular septum	d) On inter-ventricular	
71	Duration of cardiac cycle (≅•88 s)	aj on meer veneriealar	septum
,	I. Atrial systole →A sec.		
	II. Atrial diastole →B sec.		
	III. Ventricular systole →C sec.		
	IV. Ventricular diastole $\rightarrow$ D sec.		

Total time =  $\cong$  88 sec

Choose the correct option for A, B, C and D

- a) A-0.32, B-0.30, C-0.08, D-0.18
- b) A-0.32, B-0.08, C-0.30, D-0.18
- c) A-0.18, B-0.08, C-0.30, D-0.32
- d) A-0.18, B-0.30, C-0.08, D-0.32

	.,,,				
•	Blood	Antigen	Antibody	Donor's	
	group	on RBCs	in Plasma	Group	
	Α	Α	Anti b	A, 0	
	В	В	Anti A	В, О	
	AB	X	Nil	Z	
	0	Nil	Y	0	

Choose the correct option for X, Y and Z

a) X-B; Y-A; Z-AB

72

b) X-AB; Y-Nil; Z-AB, ABO

c) X-AB; Y-anti-AB; Z-AB, ABO

- d) X-AB; Y-anti AB; Z-AB, AB
- 73. As the blood passes through the capillaries some water along with small water soluble substances move out into the spaces between the cells of the tissues. This fluid released out is called the
  - a) Intrastitial fluid
- b) Interstitial fluid
- c) Nutritional fluid
- d) Vital fluid
- 74. During the process of blood coagulation, vitamin-K helps in the
  - a) Formation of prothrombin

- b) Formation of thromboplastin
- c) Conversion of fibrinogen into fibrin
- d) Conversion of prothrombin into thrombin
- 75. Identify *A* to *F* in the given diagram of human heart and choose the correct option

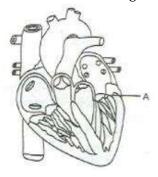


- a) A-Vena cava, B-Right atrium, C-Left atrium, D-Right ventricle, E-Left ventricle, F-Interventricular septum
- b) A-Vena cava, B-Right atrium, C-Right ventricle, D-Left ventricle, E-Left auricle, F-Interventricular septum
- c) A-Vena cava, B-Right atrium, C-Right ventricle, D-Left atrium, E-Left ventricle, F-Interventricular septum
- d) A-Vena cava, B-Left atrium, C-Right ventricle, D-Left ventricle, E-Right atrium, F-Interventricular septum
- 76. Which of the following blood vessels in the circulatory system of frog has more oxygenated blood?
  - a) Pulmocutaneous artery

b) Pulmocutaneous vein

c) Pulmonary artery

- d) Precaval veins
- 77. Which of the following statement is not related to the region labelled as 'A' in the given diagram?



	a) Through mitral valve, it communicates with left ventricle		
	b) Through tricuspid valve, it communicates with left ventricle c) Pulmonary vein brings blood to it		
	d) It is separated from the other auricle through interauricular septum		
78.	To which of the following, bundle of His passes stime		
	a) AV-node b) SA-node	c) Purkinje fibre	d) Atrium
79.	Haemolymph is the term used for the blood of the or	= =	
	a) Water circulatory system	b) Closed circulatory system	
	c) Open circulatory system	d) Blood circulatory syste	m
80.	Carotid artery supplies oxygenated blood to		
	a) Lungs b) Intestine	c) Brain	d) None of these
81.	The blood pumped by theA ventricle enters the .	B artery, whereas the	C ventricle pumps blood
	into theD		
	Choose the correct option for A, B, C and D		
	a) A-right, B-pulmonary, C-left, D-aorta	b) A-left, B-pulmonary, C-	right, D <b>-</b> aorta
	c) A-left, B-pulmonary, C-right, D-vena cava	d) A-right, B-pulmonary, (	C-left, D-vena cava
82.	The deposition of lipids on the wall lining, the lumen	of large and medium-sized	l arteries is referred to as
	a) Deep vein thrombosis	b) Stokes-Adam's syndror	ne
	c) Osteoporosis	d) Atherosclerosis	
83.	Which test tube is not used from the given option for	keeping the blood in non-	coagulated state? (for
	analysis of blood corpuscles)	1 0	· ·
	a) Test tube with heparin	b) Test tube with calcium	bicarbonate
	c) Test tube with sodium oxylate	d) Test tube with low tem	
84.	The closed circulatory system is found in		1
	a) Insects b) Lobsters	c) Frog	d) Clams
85.		-)8	,
	a) It can change the contractile activity generated by	AV node	
	b) It delays the transmission of impulse between the		
	c) It gets stimulated when it receives neural signals		
	d) It initiates and maintains the rhythmic contractile	activity of heart	
86.	A substance present over the surface of RBCs and is	•	ed as
00.	a) Blood group b) Haemoglobin	c) Antibody	d) None of these
87	Tachycardia is	c) midbody	a) None of these
07.	a) Fast heart rate b) Slow heart rate	c) Stop heart rate	d) Normal heart rate
88.		-	•
00.	atrium gets theC blood from other body parts	s oxygenated blood from th	c gms/fung/skm andb
	Choose the correct option for A, B and C		
	a) A-right, B-left, C-deoxygenated	b) A-right, B-left, C-oxyger	natod
		d) A-left, B-right, C-oxygen	
90	c) A-left, B-right, C-deoxygenated Which blood voggels govern blood from different parts		
89.	Which blood vessels carry blood from different parts		
00	a) Capillaries b) Arteries	c) Veins	d) All of these
90.	The vein that does not directly open into the heart is		J) D
0.1	a) Pre-caval b) Post-caval	c) Pulmonary	d) Posterior mesenteric
91.	Which one of the following has an open circulatory s		12.0
00	a) Pheretima b) Periplaneta	c) Hirudinaria	d) Octopus
92.	Purkinje fibres are present in	) DI _ I	15.1
0.0	a) Brain b) Heart	c) Blood	d) Lungs
93.	Pulmonary circulation is		
	a) Left auricle $\xrightarrow{\text{Oxygenated}}$ Lungs $\xrightarrow{\text{Deoxygenated}}$ Right v	ventricle	

			Opius Luucuti
	b) Left auricle $\xrightarrow[blood]{\text{Deoxygenated}}$ Lungs $\xrightarrow[blood]{\text{Oxygenated}}$ Right v	entricle	
	c) Right ventricle $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$ $\xrightarrow{\text{blood}}$	ft auricle	
	Oxygenated Deoxygenated	C 1	
	d) Right ventricle $\xrightarrow{\text{Oxygenated}}$ Lungs $\xrightarrow{\text{Deoxygenated}}$ let	it auricle	
94.	Which one of the following statements is correct re		
	a) 100/55 mmHg is considered an ideal blood press	sure	
	b) 105/50 mmHg makes one very active		
	c) 190/110 mmHg may harm vital organs like brain		
	d) 130/90 mmHg is considered high and requires t	reatment	
95.	The heart muscles are		
	a) Striated and involuntary	b) Striated and voluntary	
	c) Smooth and involuntary	d) Non-striated and invol	
96.	Patient with unknown blood group needs immediate	te blood transfusion. In this	case, which blood do you
	suggest to give that patient immediately?		
	a) Blood group-AB b) Blood group-AB	c) Blood group-A	d) Blood group-0
97.	The second step in the coagulation of blood is cataly		
	a) Thrombin b) Factor-XIII	c) Factor-XII	d) Heparin
98.	The wall of the ventricles are much thicker than that		
	a) It has to pump the blood	b) It has to receive the blo	
	c) It is present below the atrium	d) It has to store the bloo	d
99.	Sequence of electrical impulse in heart beat is		
	a) AV node $\rightarrow$ pacemaker $\rightarrow$ auricles $\rightarrow$ ventricles	>	
	b) Ventricle $\rightarrow$ pacemaker $\rightarrow$ AV node $\rightarrow$ auricle		
	c) Pacemaker $\rightarrow$ atria $\rightarrow$ AV node $\rightarrow$ ventricle		
	d) Pacemaker $\rightarrow$ AV node $\rightarrow$ atria $\rightarrow$ ventricle		
100	Which chamber of the human heart has the thickest		
	a) Left auricle b) Left ventricle	c) Right auricle	d) Right ventricle
101.	In humans, blood passes from the post caval to the	diastolic right atrium of hea	rt due to
	a) Pushing open of the venous valves		
	b) Suction pull		
	c) Stimulation of the sino-auricular node		
400	d) Pressure difference between the caval and atrium		1 D 01 11
102.	In the ventricular diastole, theA valve closes. The	nis causes the second heart :	soundB Choose the
	correct option for A and B	)	ו מתו יותהו
100	a) A-Semilunar; B-Dub b) A-Mitral; B-Dub	•	d) A-Tricuspid; B-Dub
103	Which of the given option is correct about blood gro		ty?
	$\begin{array}{ccc} (\stackrel{\frown}{A} & \stackrel{\frown}{O}) & & \stackrel{\frown}{A} & \stackrel{\frown}{A} & \stackrel{\frown}{B}) \\ (\stackrel{\frown}{A} & \stackrel{\frown}{D} & \stackrel{\frown}{B}) & & \stackrel{\frown}{D} & \stackrel{\frown}{B}) \end{array}$	$(B \longrightarrow 0)$	$d)  \uparrow \qquad \uparrow $
	$(AB \longrightarrow B)$	$(A \longrightarrow AB)$	$(B \longrightarrow AB)$
104	Which of the following sentences is correct?		
101	I. ECG is of a great clinical significance		
	II. Electrocardiograph is the recording of electrical	changes during the cardiac	cvcle
	III. To obtain a standard ECG, a patient is connected		
	each wrist and to the left ankle)		
	IV. Normal activities of the heart are regulated intri	nsically	
	V. Electrocardiogram is the electrical activity of hea	<del>-</del>	
	The option with correct statements is		
	a) I, II, III and IV b) I, III, IV and V	c) II, III, IV and V	d) I, II, IV and V
105	Cardiac output is determined by		• · ·

**GPLUS EDUCATION** WEB: <u>WWW.GPLUSEDUCATION.ORG</u>

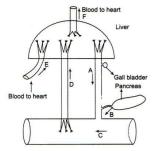
a) Heart rate	b) Stroke volume	c) Blood flow	d) Both (a) and (b)
106. Viper venom affects			
a) Circulatory system	b) Nervous system	c) Respiratory system	d) None of these
107. A circulatory system, whi	ch is formed by capillaries	s and ends with capillaries i	s
a) Renal		b) Hepatic	
c) Double circulatory sys	tem	d) Hypophysial portal sy	stem
108. Blood leaving the liver an	d going towards heart is r	rich in	
a) Bile	b) Urea	c) Ammonia	d) Oxygen
109. Which is correct about blo	ood clotting?		
Thromboplastin or Thrombo	kinase		
Fibrinogen → Fibrin			
a) Thrombin $\leftarrow \qquad \qquad P$	rothrombin		
Thrombin + dead and d	Clot		
+ dead and d formed ele			
Thromboplastin or Thrombok			
Thrombin Prothromb			
Ca <sup>+</sup>	2 Zihringgan		
b) Fibrin → F + dead and			
formed e	lements		
Clot			
Thromboplastin or Thrombokin	ase		
Prothrombin $Ca^{+2}$ Thrombin			
c) Fibrinogen F		>	
+ dead and da formed eler			
Clot			
d) Thromboplastin or Thrombo			
(from injured platelets/tissue			
Prothrombin → Thrombi Ca <sup>+2</sup> Fibrinogen →	TOLLIC EDIL	CATION	
Fibrinogen — ↓	Fibrin	Chrisoia	
Clot ← + dead and damaged	↓ -Fibrin		
+ dead and damaged formed elements	1		
110. Maximum amount of oxyg	gen is lost from the blood	in the	
a) Capillaries surroundin		b) Arteries of the body	
c) Capillaries surroundin		d) Left auricle of the hear	rt
111. Atherosclerosis is caused		,	
a) Calcium	<b>7</b> 1	b) Fat and cholesterol	
c) Deposition of fibrous t	ssue	d) All of the above	
112. Which of the following are			
a) Collagen fibres and sm		b) Squamous epithelium	and striated muscle
c) Yellow fibres and smoo		d) Yellow fibres and stria	
113. Duration of a cardiac cycl		,	
a) 0.6 second	b) 0.7 second	c) 0.8 second	d) 0.9 second
114. The myocardium is found		,	
a) Heart of mammals	b) Brain of mammals	c) Lungs of mammals	d) Testes of mammals
115. Normal activities of the h	=	, 0	,
a) Extrinsically	b) Intrinsically	c) Both (a) and (b)	d) None of these
116. During each cardiac cycle	•		-
They are			
a) Lub	b) Dub	c) Tick	d) Both (a) and (b)
117. Serum is	•	,	

WEB: WWW.GPLUSEDUCATION.ORG

		opius zaucation
a) Blood without corpuscles	b) Blood without fibrino	O .
c) Blood without fibrinogen and corpuscles	d) Otherwise called as plasma	
118. Neural centre in medulla oblongata can moderate th	e cardiac function through	
a) ANS (Autonomic Nervous System)	b) Sympathetic nervous	-
c) Parasympathetic nervous system	d) Somatic nervous syste	em
119. Maximum surface area of circulating system is seen		
a) Heart b) Capillaries	c) Arterioles	d) Veins
120. The normal level of haemoglobin per 100mL of bloc		
a) 14 g b) 18 g	c) 12 g	d) 20 g
121. Rh <sup>-</sup> person donated blood to Rh <sup>+</sup> person for the sec		
a) Rh <sup>-</sup> person will die	b) Nothing happens to R	h <sup>+</sup> person
c) Rh <sup>+</sup> blood starts reacting to Rh <sup>-</sup> blood	d) Rh <sup>+</sup> person will die	
122. Systemic circulation is		
a) Left ventricle $\xrightarrow{\text{Deoxygenated}}$ Tissues $\xrightarrow{\text{Oxygenated}}$ Rig	ght ventricle	
Oxygenated Deoxygenated Deoxygenated	P-1.6 1	
b) Right ventricle $\xrightarrow{\text{Oxygenated}}$ Tissues $\xrightarrow{\text{Deoxygenated}}$ R	light auricle	
c) Left ventricle $\xrightarrow{\text{Deoxygenated}}$ Tissues $\xrightarrow{\text{Oxygenated}}$ Rigorian	ght auricle	
blood blood Sovygenated Deoxygenated	,	
d) Left ventricle $\xrightarrow{\text{Oxygenated} \atop \text{blood}}$ Tissues $\xrightarrow{\text{Deoxygenated} \atop \text{blood}}$ Rig	ght auricle	
123. 72 beats per minute heart beat rate of man is control		
a) SA-node b) Ventricles	c) Purkinje fibres	d) AV-node
124. Which one of the following is matching pair?		
a) Lubb — Sharp closure of AV valves at th	e beginning of ventricular	systole
Dup — Sudden opening of semilunar va	alves at the beginning of ve	entricular
diastole		
Pulsation of the — Valves in the blood vessels		
radial artery	MOTTAT	
d) Initiation of the heart beat — Purkinje fibres	PHITOIA	
125. A = Auricle, V = Ventricle		
A B C		
Identify the correct examples of figures $A$ , $B$ and $C$		
a) A-Fishes, B-Reptiles, C-Birds	b) A-Fishes, B-Amphibia	ns, C-Mammals
c) A-Fishes, B-Mammals, C-Reptiles	d) A-Fishes, B-Birds, C-M	<b>l</b> ammals
126. Which of the following sequences is truly a systemic	c circulation pathway?	
a) Right ventricle $\rightarrow$ Pulmonary aorta $\rightarrow$ Tissues $\rightarrow$ I	Pulmonary veins → Left au	ricle
b) Right auricle $\rightarrow$ Left ventricle $\rightarrow$ Aorta $\rightarrow$ Tissues	•	
c) Left auricle $\rightarrow$ Left ventricle $\rightarrow$ Pulmonary aorta	•	
d) Left auricle $\rightarrow$ Left ventricle $\rightarrow$ Pulmonary aorta	$\rightarrow$ Arteries $\rightarrow$ Tissues $\rightarrow$ V	eins $\rightarrow$ Right atrium
127. Haemoglobin contains		_
a) $Fe^{2+}$ b) $Mg^{2+}$	c) Na <sup>2+</sup>	d) Ca <sup>2+</sup>
128. Which of the following is main negative mineral ion		
a) SO <sub>4</sub> <sup>2-</sup> b) Cl <sup>-</sup>	c) $NO_2^-$	d) OH <sup>-</sup>
129. Atrial natriuretic hormone is produced by		
a) Kidney b) Heart	c) Duodenum	d) Thyroid gland
130. The branches of the nodal tissue, which give rise to	minute fibres throughout	the ventricular musculature
of the respective sides are called		
a) Sino auricular node	b) Atrio ventricular node	e
c) Purkinje fibre	d) Bundle of His	

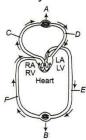
I. From a	I. From atria to ventricles				
II. From	II. From ventricles to pulmonary artery				
III. From	III. From pulmonary artery to aorta				
	the correct option	_			
a) I and		b) II and III	c) III and I	d) All of these	
		sed due to closing of	-,	,	
a) Valve	=	b) Tricuspid valve	c) Semilunar valve	d) None of the above	
133. SA-node		by Triedspid varve	ej bennianar varve	a) None of the above	
	r lateral wall of	right atrium	b) Upper lateral wall of r	ight atrium	
=	r lateral wall of	<del>-</del>	d) Lower lateral wall of l	_	
		s the correct pathway for pr		ser	
•		→ Bundle of His → Purkinje f			
=		His $\rightarrow$ SA node $\rightarrow$ Purkinje f			
-	•	ibres $\rightarrow$ AV node $\rightarrow$ Bundle of			
-	•	node $\rightarrow$ SA node $\rightarrow$ Bundle of	of His		
	baby syndrom	e results from			
•	s of chloride		b) Methaemoglobin		
•	s of dissolved o	xygen	d) Excess of TDS (Total I	Dissolved Solids)	
136. 'Bundle	of His' are				
a) Nervo	ous tissue suppl	ied to ventricles	b) Nervous tissue suppli	ed to heart	
c) Musc	ular tissue supp	lied to ventricles	d) Muscular tissue suppl	ied to heart	
137. Most ab	undant cells in t	he human blood are	>		
a) WBC		b) Plasma cells	c) RBC	d) Platelets	
138. <b>Blood</b>	May Receive	May Donate			
Group	Blood	Blood			
0	0	Z			
A	X	A, AB	"ATION		
В	B, O		CATION		
AB Change	Y	P and D			
		on for $X, Y, Z$ and $P$		4 D 4 D D 4 D	
		-O,A,B, AB, P-A,B	b) X-A, Y-O,A, B, AB, Z-O,A,B, AB, P-A,B		
-	7-0,A, B, AB, Z-0		d) X- O, Y-O,A, B, AB, Z-O,	A,B, AB, P <b>-</b> B	
		mal person is about		D 4 0 1	
a) 0.5 se		b) 0.8 second	c) 1.0 second	d) 1.2 second	
	ole, heart is fille	•			
a) Mixed		b) Venous blood	c) Oxygenated blood	d) Deoxygenated blood	
	-	clotting) are the factors trig	-		
a) Thror	nboplastin	b) Heparin	c) Histamin	d) Fibrinogen	
142. Purkinje	e fibres are pres	ent in			
a) Left a	uricle		b) Right auricle		
c) Ventr	icle myocardiur	n	d) SAN		
143. The diag	gram below sho	ws how things get to and fro	m the liver. They are labell	ed as A, B, C, D, E and F.	
Which o	ne of the follow	ing labellings is the correct o	one?		
	iic of the follow	0			
	ne of the follow	0			
	ne of the follow	0			
	ne of the follow				

131. The valves in the heart allows the blood flow in which direction?



- a) A is the hepatic portal veing and E is the hepatic vein
- b) C is the intestine and F is the hepatic portal vein
- c) D is the hepatic portal vein and F is the hepatic vein
- d) B is the pancreatic artery and E is the hepatic artery
- 144. Identify the correct set of arteries formed from each common iliac artery of rabbit.
  - a) Internal iliac, External iliac, Vesicular, Lumbar, Posterior epigastric arteries
  - b) Internal iliac, External iliac, Vesicular, Posterior, Mesenteric epigastric arteries
  - c) Internal iliac, External iliac, Vesicular, Uterine, Posterior epigastric arteries
  - d) Internal iliac, External iliac, Uterine, Lumbar, Posterior epigastric arteries
- 145. Cardiac output is
  - a) Volume of the blood pumped out by each ventricle per minute
  - b) Volume of the blood contained in the entire heart
  - c) Volume of the oxygenated blood pumped by heart
  - d) Volume of the deoxygenated blood pumped by heart

#### 146. Identify *A* to *F*



# JPLUS EDUCATION

#### Choose the correct option

- a) A-Lungs, B-Body parts, C-Pulmonary vein, D-Pulmonary artery, E-Dorsal aorta, F-Vena cava
- b) A-Lungs, B-Body parts, C-Pulmonary artery, D-Pulmonary vein, E-Dorsal aorta, F-Vena cava
- c) A-Lungs, B-Body parts, C-Pulmonary artery, D-Pulmonary vein, E-Vena cava, F-Dorsal aorta
- d) A-Body parts, B-Lungs, C-Pulmonary artery, D-Pulmonary vein, E-Vena cava, F-Dorsal aorta
- 147. If due to some injury the chordae tendinae of the tricuspid valve of the human heart is partially nonfunctional, what will be the immediate effect?
  - a) The flow of blood into the aorta will be slowed down
  - b) The 'pace maker' will stop working
  - c) The blood will tend to flow back into the left atrium
  - d) The flow of blood into the pulmonary artery will be reduced
- 148. An artificial pacemaker is implanted subcutaneously and connected to the heart in patients
  - a) Having 90% blockage of the three main coronary arteries
  - b) Having a very high blood pressure
  - c) With irregularity in the heart rhythm
  - d) Suffering from arteriosclerosis
- 149. Ventricular systole occurs
  - a) After the auricular/atrial systole
- b) When tricuspid and bicuspid valve closes

c) Both (a) and (b)

d) None of the above

150. 'Bundle of His' can be named as a muscular tissue which is found between

**PHONE NO: 8583042324** Page | 14

aj vent			b) interatrial groove	
c) Atriu	ım		d) Atrio-ventriculae spectrum	
151. Open ci	rculatory system	is present in		
VI. Art	nropods			
VII. Anr	elids			
VIII.	Chordates			
IX. Mol	luscs			
a) III or		b) III and II	c) I and IV	d) IV only
-	A, B and $C$ in the	•	ej rana rv	a) IV omy
132. Identify		given diagram		
Lumen A	Smooth muscle B			
Smooth mu	scle			
Choose	the correct option	n		
	tery, B-Capillary,		b) A-Artery, B-Vein, C-Cap	nillary
-	in, B-Artery, C-Ca		d) A-Capillary, B-Artery, C	
-	oortant function o	• •	uj A-capillary, b-Artery, c	2- v e111
_			b) Tuanga aut agub an diari	do to the lungs
-	sport oxygen to the		b) Transport carbon dioxi	
=	rn RBCs to the lyr		d) Return interstitial fluid	
154. In repti	ies and amphibiai	ns, there is no clear cut sepa	ration of oxygenated and d	ieoxygenated blood
1	.1 1			
	they have	-		N.O. 1
a) Only	one atrium	b) Only one ventricle	c) Only two atria	d) Only two ventricles
a) Only	one atrium cells, which one	-		•
a) Only 155. In hear	one atrium cells, which one ine?	b) Only one ventricle		•
a) Only 155. In hear adrenal a) cAM	one atrium cells, which one ine?	b) Only one ventricle serves as a second messeng b) cGMP	er speeding up muscle cell c) GTP	contraction in response to d) ATP
a) Only 155. In hear adrenal a) cAM 156. Lympho	one atrium c cells, which one ine? p ocytes (20-25%) a	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an	er speeding up muscle cell c) GTP d T forms. They are respon	contraction in response to d) ATP sible for
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo	one atrium c cells, which one ine? cocytes (20-25%) a d coagulation	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood	er speeding up muscle cell c) GTP	contraction in response to d) ATP
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in	c) GTP d T forms. They are respon c) Immune responses	d) ATP sible for d) All of these
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen t atria and right v	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr	d) ATP sible for d) All of these
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in entricle	cer speeding up muscle cell c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles	d) ATP sible for d) All of these
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs	one atrium t cells, which one ine? ccytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in entricle bb' occurs in which phase o	cer speeding up muscle cell c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle?	d) ATP sible for d) All of these
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom	one atrium t cells, which one ine? cocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in entricle bb' occurs in which phase o b) Atrial diastole	cer speeding up muscle cell c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole	d) ATP sible for d) All of these ricle d) Ventricular diastole
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom	one atrium t cells, which one ine? cocytes (20-25%) a d coagulation id valve is presen t atria and right va of atrium t heart sound 'Lul etric relaxation genitors that are	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B an b) Thickness of blood t in entricle bb' occurs in which phase o b) Atrial diastole formed in bone marrow and	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere	d) ATP sible for d) All of these ricle d) Ventricular diastole
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre N	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation igenitors that are	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast	cer speeding up muscle cell c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole	d) ATP sible for d) All of these ricle d) Ventricular diastole
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre N 160. The larg	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation egenitors that are NK-cells gest RBCs have be	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast seen seen in	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre N 160. The larg a) Elep	one atrium t cells, which one ine? cocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast seen seen in b) Whale	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians	d) ATP sible for d) All of these ricle d) Ventricular diastole
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elepi 161. Pulmon	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be hant ary artery differs	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase o b) Atrial diastole formed in bone marrow and b) Pre-erythroblast ten seen in b) Whale from pulmonary vein in ha	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elepi 161. Pulmon a) No e	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation egenitors that are NK-cells gest RBCs have be nant ary artery differs ndothelium	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast seen seen in b) Whale from pulmonary vein in halb) Strong valves	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre N 160. The larg a) Elep 161. Pulmon a) No e 162. The str	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation egenitors that are NK-cells gest RBCs have be nant ary artery differs ndothelium acture of which of	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in halb) Strong valves of the following consists of a	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s?
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elep 161. Pulmon a) No e 162. The stra a) Bloo	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be hant ary artery differs ndothelium ucture of which of d capillary	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase o b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in hab) Strong valves the following consists of a b) Artery	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elepi 161. Pulmon a) No e 162. The stru a) Bloo 163. In norm	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be nant lary artery differs ndothelium ucture of which of d capillary nal humans, time t	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in hab) Strong valves of the following consists of a b) Artery taken for the normal blood of the serves as	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s?
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elep 161. Pulmon a) No e 162. The stra a) Bloo	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be nant lary artery differs ndothelium ucture of which of d capillary nal humans, time t	b) Only one ventricle serves as a second messeng b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase o b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in hab) Strong valves the following consists of a b) Artery	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s?
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre N 160. The larg a) Elep 161. Pulmon a) No e 162. The str a) Bloo 163. In norm a) 5-25	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be nant ary artery differs ndothelium acture of which of d capillary nal humans, time t min	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in hab) Strong valves of the following consists of a b) Artery taken for the normal blood of the serves as	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule clotting is	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s? d) Arteriole
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elep 161. Pulmon a) No e 162. The stru a) Bloo 163. In norm a) 5-25 164. Univers	one atrium t cells, which one ine? cytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are NK-cells gest RBCs have be nant ary artery differs ndothelium acture of which of d capillary nal humans, time t min	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood t in entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast seen seen in b) Whale from pulmonary vein in hat b) Strong valves of the following consists of a b) Artery taken for the normal blood of b) 30-50 min iversal receipients are	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule clotting is	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s? d) Arteriole d) Few sec
a) Only 155. In hear adrenal a) cAM 156. Lympho a) Bloo 157. Tricusp a) Righ c) Wall 158. The firs a) Isom 159. The pro a) Pre M 160. The larg a) Elep 161. Pulmon a) No e 162. The stru a) Bloo 163. In norm a) 5-25 164. Univers a) A, B a	one atrium t cells, which one ine? p ocytes (20-25%) a d coagulation id valve is presen t atria and right v of atrium t heart sound 'Lul etric relaxation genitors that are lik-cells gest RBCs have be hant lary artery differs indothelium licture of which of d capillary hal humans, time t min hal donors and uni etal donors and uni	b) Only one ventricle serves as a second messenge b) cGMP are of two major types, B and b) Thickness of blood tin entricle bb' occurs in which phase of b) Atrial diastole formed in bone marrow and b) Pre-erythroblast sen seen in b) Whale from pulmonary vein in hat b) Strong valves of the following consists of a b) Artery caken for the normal blood of b) 30-50 min iversal receipients are os, respectively	c) GTP d T forms. They are respon c) Immune responses b) Left atria and left ventr d) Wall of ventricles f the cardiac cycle? c) Ventricular systole d differentiated elsewhere a c) Pre T-cells c) Amphibians ving c) Branner's cells layer of single cell thicknes c) Venule clotting is c) 4-10 min	d) ATP sible for d) All of these ricle d) Ventricular diastole are d) Myeloblast d) Man d) Thick muscular walls s? d) Arteriole d) Few sec

WEB: WWW.GPLUSEDUCATION.ORG

**GPLUS EDUCATION** 

a) No problem with first child	b) Second child would have anaemia
	(erythroblastosis foetalis)
c) Second child would be normal	d) Both (a) and (b)
166. Platelets are	
a) Also called thrombocytes	b) Cell fragments
c) Produced from megakaryocytes	d) All of the above
167. Which of the following matches correct	
a) Inferior vena cava — Receives de	ovvgenated blood from the head and body
Superior vena cava — Receives de	oxygenated blood from the lower body and
b) 'organs	,
_	ygenated blood to the lungs
	ygenated blood to the gut
	haemoglobin in everyB mL of blood. These molecules plays a
significant role in the transport ofC	
Choose the correct option for A, B and (	
a) A-12-16, B-100, C-respiratory	b) A-6-8, B-100, C-respiratory
c) A-7-10, B-1000, C-respiratory	d) A-16-20, B-1000, C-respiratory
	nally completed by the human heart, in one minute?
a) Eight b) Sixteen	c) Seventy two d) Thirty six
170. Maximum pressure of blood experience	
a) Right ventricle to aorta	b) Right auricle to aorta
c) Left ventricle to aorta	d) Left auricle to aorta
171. Which of the following events do not or	No. 1 Acres 1887
I. All four-chamber are in relaxed state	cui during joint diastole:
II. Tricuspid and bicuspid are open	
III. Semilunar valves are closed	
	wone gave flows into the left and night wentwisles mannestively
	vena cava flows into the left and right ventricles, respectively
through the left and right atria	
The correct option containing correct c	
a) Only I b) Only III	c) II and IV d) None of these
172. Lymph is an important carrier for the tr	
a) Nutrients b) Hormone	c) Platelets d) Both (a) and (b)
173. Chordae tendinae are found in	
a) Atria of heart b) Ventricles	
_	heir surrounding through their body cavities to facilitate the cells
to exchange the substances are	
a) Porifera b) Sponges	c) Both (a) and (b) d) None of the above
175. Source of thromboplastin in the human	
a) WBC b) RBC	c) Blood platelets d) Both (b) and (c)
176. Chordae tendinae	
a) Are present close to AV valves	b) Open semilunar valves
c) Prevent the AV valves flaps from eve	rting d) Are present in auricle
RA-Right Auricle RV-Right Ventricle LV-Left Ventricle	

In the above given diagram, which blood vessel represents vena cava?

165. If husband is Rh<sup>+</sup> and wife is Rh<sup>-</sup> then

_	- 1			_					•	
(a)	nı	$\boldsymbol{u}$	s L	- 0	נוצ	ıc	a	tı	വ	n

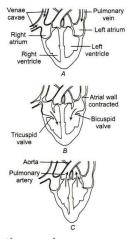
			Gpius Eaucatioi
a) C	b) D	c) A	d) B
178. Life span of RBCs is			
a) 50 days	b) 70 days	c) 120 days	d) 220 days
179. Formed element constitu			
a) 55% of blood	b) 45% of blood	c) 35% of blood	d) 25% of blood
180. Neural signals through th		S) can increase the rate of h	neart beat by
a) Increasing heart outpu			
	n of ventricular contraction	1	
c) Both (a) and (b)			
d) Increasing the contrac	tion of atrium		
181. Cardiac output is		1) (1) 1	
a) Stroke volume × Hear	•	b) Stroke volume × Hear	•
c) Stroke volume × Hear		d) Stroke volume × Hear	·
182. In bird and mammals, the		· ·	<del>-</del>
		of oxygenated and deoxyger	iated blood
Choose the correct option		h) D wight atuin A laft atu	•-
a) A-left atria, B-right atr		<ul><li>b) B-right atria, A-left atr</li><li>d) A-left ventricle, B-righ</li></ul>	
c) A-right ventricle, B-lef 183. Foramen ovale	t ventricie	aj A-ieit ventricie, b-rigii	t ventricie
a) Connects the two atria	in the feetal heart		
-	the heart valves do not co	mnlotoly closo	
	n in the interventricular se		
	en the pulmonary trunk an	=	
184. The name of the pace mal	The state of the s	a the dorta in the foctas	
a) Lymph node	ner of fleare is	b) SA node	
c) Juxtaglomerular appar	atus	d) Semilunar valve	
185. Hepatic portal system is a		<b>)</b>	
	etween the digestive tract	and liver	
	etween the liver and lungs		
c) Vascular connection be	etween the spleen and live	r	
	etween the digestive tract		
186. Ventricles are related to			
a) Heart only	b) Brain only	c) Both (a) and (b)	d) None of these
187. Identify the correct labell	ling for $A$ , $B$ , $C$ and $D$ and $C$	hoose the correct option ac	cordingly
PN .			
A 2000 - 771'M			
B			
a) A-Sinoauricular node	R-Atrioventricular node C	-Bundle of His, D-Purkinje f	ihra
		-Purkinje fibre, D-Bundle o	
-		dle of His, D-Sinoauricular r	
		r node, D-Atriventricular n	
188. Which is largest among the			- u.u
a) Eosinophils	b) Basophils	c) Monocytes	d) Lymphocytes
189. Which system has a majo	-	-	,,,,
a) Respiratory system	b) Circulatory system	c) Lymphatic system	d) All of these
, i , ,	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	,

				Gpius Eaucation
190.			<del>-</del>	of their blood, whereas those
	living at an altitude of 54			at high altitude
	a) People get pollution-fr			
		evel is less and, hence mo	re RBCs are needed to ab	osorb the required amount of
	oxygen to survive			
	c) There is more UV radia		=	
	d) People eat more nutrit			
191.	Which of the following do	es not control the heart l		
	a) Vagus		b) Epinephrine	
	c) Norepinephrine		d) Glossopharyngeal	nerve
192.	Fats in the human body a			
	a) Lymph	b) Phagocytes	c) Monocytes	d) Both (b) and (c)
193.	The graveyard of RBC is			
	a) Liver	b) Stomach	c) Spleen	d) Bone marrow
194.	Angina occurs due to			
	a) When enough oxygen i	_		
	b) When not enough oxyg		uscle	
	c) The deposition of carb	•		
	d) The deposition of prot	-		
195.	Haemoglobin molecule is			
	a) One $\alpha$ -chain and one $\beta$		b) Two $\alpha$ -chains and	
	c) Two $\alpha$ -chains and one		d) One α-chain and tv	vo β-chains
196.	Arteries are best defined	as the vessels which	>	
	a) Carry blood away from	n the heart to different or	gans	
	b) Break up into capillari	es which reunite to form	a vein	
	c) Carry blood from one	visceral organ to another	visceral organs	
	d) Supply oxygenated blo	od to the different organ:	S	
197.	Autoexitable fibres/node	s are called	CATION	
	a) Nodal musculature	b) Cardiac nerves	c) Neurons	d) All of these
198.	The name Rh blood group	o is derived from		
	a) Chimpanzee	b) Monkey	c) Man	d) Primitive man
199.	_			he heart. A patch of this tissue is
		_		mass of this tissue is seen in the
	lower left corner of the ri	<del>-</del>	rio-ventricular septum c	alledC
	Choose the correct option	n for A, B and C		
	a) A-Nodal tissue, B-SAN,	C-AVN	b) A-Nodal tissue, B-A	AVN, C-SAN
	c) A-AVN, B-Nodal tissue		d) A-SAN, B-AVN, C-N	lodal tissue
200.	Advantage of closed circu	llatory system is that		
	a) Exchange occurs more	rapidly	b) Flow of blood mor	e precisely regulated
	c) It can support high me	tabolic activity	d) All of the above	
201.	Which of the following sta	atements is true for lymp	h?	
	a) WBCs and serum			
	b) All components of bloc	od except RBCs and some	proteins	
	c) RBCs, WBCs and plasm	na		
	d) RBCs, proteins and pla	telets		
202.	Subsequent normal pregr	nancies of Rh <sup>+</sup> husband a	nd Rh <sup>–</sup> wife could be pos	ssible by
	a) Administrating and Rh	-antibody to the mother j	just after the delivery of	1st child
	b) Transfusion of blood to	o the 2nd baby just after t	the birth	
	c) Living anti-Rh antibod	y to the 2nd baby just afte	er the birth	
	d) All of the above			

WEB: WWW.GPLUSEDUCATION.ORG **PHONE NO: 8583042324** Page | 17 **GPLUS EDUCATION** 

203. Major proteins in the human blood ar	re	
I. fibrinogen II. globulins		
III. albumins		
Choose the correct combination of op	otion	
a) I and II b) II and II	II c) I and III	d) I, II and III
204. Which of the following organs can be	called a sort of 'blood bank'?	
a) Heart b) Spleen	c) Liver	d) Lungs
205. Cascade theory of blood clotting was	given by	
a) William Harvey b) Mac Fei		d) S Hales
206. During cardiac cycle, aboutA% of		· · ·
ventricular filling occurs due to arter	9 -	
Choose the correct option for A and E		
a) A-30; B-70 b) A-70; B		d) A-60; B-40
207. Prothrombinase is formed in the pres	_	,
a) Ca <sup>2+</sup> b) Mg <sup>2+</sup>	c) Fe <sup>2+</sup>	d) Fe <sup>3+</sup>
208. The artery, which supplies blood to the	-	, 1 -
a) Brachial artery	b) Coronary artery	
c) Vertebral artery	d) Internal mammar	v arterv
209. Example of Rh incompatibility is	a) memai mammai	y artery
a) Mother Rh — ve and father Rh + ve	e b) Father Rh – ve an	d Mother Rh + ve
c) Both Rh – ve	d) Both Rh + ve	d Modifer Rif   Ve
210. Which of the following causes degrad	-	
	compounds c) Hydrocarbons	d) Ammonia
211. Serum is	compounds cy ffyurocarbons	u j Aililliollia
a) Blood without fibrinogen	b) Lymph without co	ernueclos
c) Blood without corpuscles and fibri		npuscies
	mogen ar Lymbn	
212. Granulocytes and agranulocytes are t	the two main cateogories of	d) Pland platalets
212. Granulocytes and agranulocytes are t a) RBC b) WBC	the two main cateogories of c) Thrombocyte	d) Blood platelets
212. Granulocytes and agranulocytes are t a) RBC b) WBC 213. The difference between systolic and o	the two main cateogories of c) Thrombocyte diastolic pressure in human is	
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and to a) 120 mm Hg b) 80 mm	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg	d) Blood platelets d) 200 mm Hg
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and coa) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg	d) 200 mm Hg
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg	
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is	d) 200 mm Hg d) 70 mm of Hg
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and conditions and the analysis of the analysis	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is	d) 200 mm Hg
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and comparison and the analysis of the systolic pressure of a normal human and the analysis of the systolic pressure in a normal human and the analysis of the systolic pressure in a normal human and the analysis of the systolic pressure in a normal human and the system of the systolic pressure in a normal human and the system of the systolic pressure in a normal human and the system of the systolic pressure in a normal human and the system of the systolic pressure in a normal human and the system of the systolic pressure in a normal human and the system of the system	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg	<ul><li>d) 200 mm Hg</li><li>d) 70 mm of Hg</li><li>d) 120 mm of Hg</li><li>d) 140 days</li></ul>
a) RBC b) WBC  213. The difference between systolic and case and 120 mm Hg b) 80 mm  214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm  215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm  216. RBCs have an average life span of a) 90 days b) 100 day  217. According to Cascade theory of blood	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg	<ul><li>d) 200 mm Hg</li><li>d) 70 mm of Hg</li><li>d) 120 mm of Hg</li><li>d) 140 days</li></ul>
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of a) 90 days b) 100 day 217. According to Cascade theory of blood clotting?	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of a) 90 days b) 100 day 217. According to Cascade theory of blood clotting? a) 12 b) 10	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg	<ul><li>d) 200 mm Hg</li><li>d) 70 mm of Hg</li><li>d) 120 mm of Hg</li><li>d) 140 days</li></ul>
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of a) 90 days b) 100 day 217. According to Cascade theory of blood clotting? a) 12 b) 10 218. Oxygenated	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of a) 90 days b) 100 day 217. According to Cascade theory of blood clotting? a) 12 b) 10	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC b) WBC 213. The difference between systolic and of a) 120 mm Hg b) 80 mm 214. Diastolic pressure of a normal human a) 120 mm of Hg b) 70 mm 215. Systolic pressure in a normal human a) 70 mm of Hg b) 80 mm 216. RBCs have an average life span of a) 90 days b) 100 day 217. According to Cascade theory of blood clotting? a) 12 b) 10 218. Oxygenated	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC b) WBC  213. The difference between systolic and comparison and the analysis of the systolic pressure of a normal human and the analysis of the systolic pressure in a normal human and the analysis of the systolic pressure in a normal human and the analysis of the systolic pressure in a normal human and the systolic pressur	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC  213. The difference between systolic and control and the analysis of the systolic pressure of a normal human and the systolic pressure in a normal	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days I clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC  213. The difference between systolic and control and the analysis of the systolic pressure of a normal human and and analysis of the systolic pressure in a normal human and and analysis of the systolic pressure in a normal human and and analysis of the systolic pressure in a normal human and and analysis of the systolic pressure in a normal human and and analysis of the systolic pressure in a normal human and and analysis of the systolic pressure in a normal human and analysis o	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days d clotting, how many factors are requi	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood
212. Granulocytes and agranulocytes are to a) RBC  213. The difference between systolic and control and the analysis of the systolic pressure of a normal human and the systolic pressure in a normal	the two main cateogories of c) Thrombocyte diastolic pressure in human is Hg c) 40 mm Hg n is of Hg c) 80 mm of Hg is of Hg c) 90 mm of Hg ys c) 120 days d clotting, how many factors are requi c) 13	d) 200 mm Hg d) 70 mm of Hg d) 120 mm of Hg d) 140 days red in the process of blood

219. What does diagram A, B and C indicates?



Choose the correct combination

- a) A-Atrial diastole, B-Atrial systole, C-Ventricular systole
- b) A-Atrial systole, B-Atrial diastole, C-Ventricular systole
- c) A-Atrial diastole, B-Atrial systole, C-Ventricular diastole
- d) A-Atrial systole, B-Atrial diastole, C-Ventricular diastole
- 220. Select the incorrect statements
  - I. Barr body is an another name for neutrophils
  - II. Agranulocytes are formed in the red bone marrow
  - III. Granulocytes are formed is the spleen and lymph node
  - IV. Lymphocytes exists as two major types, B and T lymphocytes

The correct option with incorrect statement is

- a) I, II and III
- b) Only I
- c) Only III
- d) Only II
- 221. The valves, which allow blood to flow from the ventricles into the arteries and not in the opposite direction are
  - a) AV-valve (Atrio Ventricular valve) and semilunar valve
  - b) Bicuspid and tricuspid valve
  - c) Semilunar and tricuspid valve
  - d) Aortic and mitral valve
- 222. Study the following statements.

I.Plasma constitutes 45% of the human blood.

II.Albumin is a plasma protein, which helps in osmotic balance.

III. Factors responsible for the blood clotting process are present in the blood.

IV.Plasma without clotting factors is called serum.

IV.Minerals are not generally found in blood. Of the above statements.

- a) Only V is wrong and all other I to IV are correct
- b) I and II are correct and III, IV and V are wrong
- c) II and IV are correct and I, III and V are wrong
- d) II, III and IV are correct and I and V are wrong
- 223. Haemoglobin (Hb) transports oxygen from the lungs to tissues. The partial pressure of the oxygen in lungs is different from that tissues. Each Hb can bind to up to four oxygen molecules. Suppose, we have an equal number of Hb and oxygen molecules and all the oxygen molecules are in bounded form. Then, which of the following is true?
  - a) Almost all the Hb molecules have one bound oxygen molecule
  - b) Nearly half of all the Hb molecules are bound to two oxygen molecules
  - c) Nearly one-fourth of all the Hb molecules are bound to four oxygen molecules each
  - d) Most of the Hb molecules have one bound oxygen molecule each; the rest either have no bound oxygen or have two or more bound oxygen molecules
- 224. Which of the following plasma proteins is involved in the coagulation of blood?
  - a) Serum amylase

**GPLUS EDUCATION** 

- b) A globulin
- c) Fibrinogen
- d) An albumin

225. In higher vertebrates, SA-node helps in

a) Conduction of blood		b) Initiation of heart beat		
c) Opening of tricuspid valve		d) Opening of bicuspid valve		
226. Which one has the th	nickest wall?			
a) Right auricle	b) Right ventricle	c) Left auricle	d) Left ventricle	
227. Compare to blood ou	ır lymph has			
a) No plasma		b) Plasma without pro	oteins	
c) More WBCs and n	o RBCs	d) More RBCs and less	s WBCs	
228. Parasympathetic nei	ural signal decreases the card	iac output by		
a) Decreasing the sp	eed of conduction of action po	otential		
b) Slowing down the	erate of heart beat			
c) Increasing the spe	eed of blood in veins			
d) Both (a) and (b)				
229. In which one of the f	following pairs, the two items	mean one and the same th	ning?	
a) Malleus – Anvil		b) SA-node – Pacemak	ter	
c) Leucocytes – Lym	phocytes	d) Haemophilia - Bloo	od cancer	
230. The low pressure be	low the arterial $p_{\mathrm{O}_2}$ results in			
a) Release of CO <sub>2</sub> fro	om the cell	b) Formation of haem	oglobin	
c) Production of bica	arbonate	d) Formation of carbo	nic acid	
231. Which one of the following	lowing human cells do not cor	ntain mitochondria?		
a) Nerve cell	b) Red blood cell	c) Liver cell	d) White blood cell	
232. Identify the incorrec	t statements and correct choo	ose the correct option acco	ordingly	
I. Interstitial fluid (ti	ssue fluid) and lymph have al	most similar composition		
II. Lymph and inters	titial fluid have no larger prot	eins and RBC		
III. Exchange of the r	nutrients and gases, etc., betw	een the blood and cells alv	ways occurs through tissue	
fluid	4	P		
IV. Interstitial fluid h	nas the same mineral distribut	tion as that of the plasma		
V. Lymph can be def	ined as the blood minus RBC l		ocytes	
a) I and II	b) II and III	c) IV and V	d) None of the above	
233. What is the principa	l cation in human blood?	07112011		
a) Potassium	b) Sodium	c) Calcium	d) Manganese	
234. Which of the statem				
	ening of the heart is through	_		
	the impulse passes from the S	_	of the heart wall	
	e times the heart beats in one			
	od volume in all the chamber	s of the heart occurs durin	ng the cardiac cycle	
The option with corr				
a) I, II and III	b) II, III and IV	c) I, II and IV	d) I, III and IV	
_	scles and fibrinogen is called			
a) Lymph	b) Serum	c) Plasma	d) Platelets	
236. Closed circulatory sy	_			
a) Annelids and cho		b) Arthropods and ani		
c) Arthropods and c		d) Molluscs and annel	ids	
237. A heart murmur ind	icates a defective			
a) Bundle of His		b) Heart valves		
c) Sino-atrial node		d) Atrio-ventricular no	ode	
238. Pulmonary aorta car		12.71	,	
a) Blood from liver t		b) Blood from lung to		
c) Pure blood from h		d) Impure blood from	heart to lung	
	ılation starts and ends in capi			
a) Portal system	<ul><li>b) Capillary system</li></ul>	c) Arterial system	d) Lymphatic system	

240. Papil	lary muscles are fou	nd in mammalian		•
	ricles	b) Ventricles	c) Pinna	d) Eyes
-		n ventricle pumps out duri	•	- •
a) 70		b) 5000 mL	c) 7 L	d) 1200 mL
242. CAD :	stands for	•	•	•
a) Ca	rotid Arterial Dysfu	nction	b) Cerebral Artery Dysfu	nction
=	ronary Artery Disea		d) Calcium Activated Dis	
=	l pressure instrume		•	
a) Sy	stolic pressure	b) Diastolic pressure	c) Both (a) and (b)	d) None of these
244. Hear	of elephant is	•		,
a) Ne	urogenic	b) Myogenic	c) Both (a) and (b)	d) None of these
245. Blood	-	, <b>.</b> .		,
a) Mo	bile connective tiss	ue	b) Liquid connective tiss	ue
c) Bo	th (a) and (b)		d) Semisolid connective t	
246. Choo	se the correct stater	nent about SA node	•	
I. Loc	ated at lateral wall o	of the right atrium		
II. He	rat of heart			
III. It	initiates the rhythm	ic contractile activity of th	e heart and maintains it	
IV. It	is called pace keepe	r of the heart		
V. It i	s called pace maker	of the heart		
The c	ption with correct s	tatements is		
a) All	except III	b) All except IV	c) All except V	d) None of these
247. The s	ystemic circulation	provides nutrients,A a	nd other essential substanc	es to theB and takes
C	and other harmful s	ubstances away for elimin	ation	
Choo	se the correct option	n for A, B, C and D		
a) A-	CO <sub>2</sub> , B-tissue, C-O <sub>2</sub>		b) A-O <sub>2</sub> , B-tissue, C-CO <sub>2</sub>	
c) A-	O <sub>2</sub> , B-tissue, C-NO <sub>2</sub>		d) A-NO <sub>2</sub> , B-tissue, C-CO <sub>2</sub>	2
248. In an	ECG, the depolariza	tion of atria is indicated by	ΓΛΤΙΩΝ	
a) P-	wave	b) Q-wave	c) R-wave	d) S-wave
249. Whic	h of the following is	first to receive lymphatic	duct from legs?	
a) Le	ft subclavian vein		b) Right subclavian vein	
c) Rig	ght lymphatic duct		d) Thoracic lymphatic du	ıct
250. All ve	rtebrates posseses	aA , Fishes have aB	. chambered heart with atri	ium and ventricles.
Ampl	nibians and reptiles	have aC chambered he	eart. Bird and mammals hav	eD chambered of heart
Choo	se the correct option	n		
a) A-:	muscular chambere	d heart, B-3, C-2, D-4		
b) A-	muscular chambere	d heart, B-2, C-3, D-4		
c) A-	muscular chambere	d heart, B-4, C-3, D-2		
d) A-:	muscular chambere	d heart, B-3, C-4, D-2		
251. I. Atr	oventricular valves			
II. Sei	nilunar valves			
III. Ri	ght atrium			
IV. Ri	ght ventricle			
V. SA	N			
The c	orrect pathway of R	BC of from the option give	n below	
a) V-	→III→I→IV→II	b) $V \rightarrow III \rightarrow I \rightarrow II \rightarrow IV$	c) $V \rightarrow III \rightarrow IV \rightarrow I \rightarrow II$	d) $I \rightarrow II \rightarrow III \rightarrow IV \rightarrow V$
252. The r	number of valves tha	it guard the opening at the	origin of caroticosystemic	aorta is
a) Tv	/O	b) Three	c) Four	d) One
253. G-6-F	dehydrogenase def	ficiency is associated with	haemolysis of	
a) I	mphocytes	b) RBCs	c) Platelets	d) Leucocytes

254. Blood that flows from the lungs to the heart is brigh	t red rather than dark red	due to
a) Carbon dioxide	b) Oxygen	
c) Both (a) and (b)	d) Due to mixing of sput	um
255. Components essential for RBC formation is		
a) Iron b) Vitamin-B <sub>12</sub>	c) Folate	d) All of these
256. What will happen if a Rh – ve person is exposed to t	he Rh + ve person?	
a) Antigen formation takes place	b) –ve and +ve Rh antig	gen cancel out each other
c) Nothing will happen	d) Antibody will form	
257. Impulse of heart beat originates from		
a) SA-node b) AV-node	c) Vagus nerve	d) Cardiac nerve
258. What will happen if a Rh <sup>-</sup> person donate blood to a	Rh <sup>+</sup> person for the first til	me?
a) Rh <sup>-</sup> person will die	b) Rh <sup>+</sup> person will die	
c) Nothing will happen to both	d) Rh <sup>-</sup> will line and Rh <sup>+</sup>	would be
259. Erythroblastosis foetalis is a disease in which	•	
a) Adult have severe anaemia and jaundice		
b) Female have severe anaemia and jaundice		
c) Male have severe anaemia and jaundice		
d) Foetus have severe anaemia and jaundice		
260. At high altitude, RBCs of human blood will		
a) Increase in number b) Decrease in number	c) Decrease in size	d) Increase in size
261. Bilirubin is the breakdown product of	,	
a) Haemoglobin b) RBC	c) WBC	d) Platelets
262. Which of the following is right about blood coagulat	tion?	-
I. Vitamin-B is necessary for the formation prothron		
II. Conversion of fibrin to fibrinogen		
III. Conversion of prothrombin to prothrombinase		
The option with correct combination is		
a) I and II b) II and III	c) III and I	d) None of these
263. Pace maker is	PHITOH	·
a) Instrument for measuring heart beat	b) Instrument for measu	ıring pulse rate
c) AV node that provides impulse for heart beat	-	hat provides impulse for
	heart beat	
264. When all the four-chambers of the heart are in relax	red state, it is called	
a) Joint systole b) Joint diastole	c) Systole	d) Diastole
265. The pH of blood is		
a) Between 7-8 b) Between 2-4	c) Between 12-14	d) Between 2-5
266. Manifestation of increase in the blood pressure of a	person is called	
a) Hypertension b) Artherosclerosis	c) Arteriosclerosis	d) None of these
267. Lymph is a colourless fluid containing specialised		
a) RBC b) Lymphocytes	c) Cells	d) Long lined cells
268. Cardiac cycle is a cyclic event that occur in		
a) Single beat b) Double beat	c) Atrium	d) Ventricle
269. Increase of blood sugar level is known as		
a) Diabetes insipidus b) Diabetes mellitus	c) Hypoglycemia	d) Both (a) and (b)
270. The animal, which has oval RBCs is	, ,, ,,	
a) Humans b) Camel	c) Dog	d) Fish
271. The difference between blood and lymph is	-	
a) Blood has RBCs and WBCs, while lymph has no c		
	ells	
b) Blood has RBCs and WBCs, while lymph has only		

GPLUS EDUCATION WEB: <u>WWW.GPLUSEDUCATION.ORG</u> PHONE NO: 8583042324 Page | 22

•	ait, while lymph has no cells		
272. All reptiles have a three			
a) Snake	b) Crocodile	c) Lizard	d) Both (b) and (c)
273. 'Heart of Heart' is			
a) SA-node	b) AV-node	c) Bundle of His	d) Purkinje fibres
<del>-</del>	=		d that an artificial pacemaker
<del>-</del>	t is likely that it will be graf	ted at the site of	
a) Atrioventricular bun	dle	b) Purkinje system	
c) Sinuatrial node		d) Atrioventricular nod	e
275. The first heart sound is	produced when		
a) Diastole begins		b) Semilunar valve clos	-
c) Interventricular pres		d) Bicuspid and tricusp	
276. In the diagram, the vert			
alphabets; choose the o	ption in which these alphab	ets have been correctly m	atched with their respective
parts			
A B C F			
a) A Aouta D Dulmonou	murain C Dulmanamu antonis	o D. Loft wantviole E Comi	lluman valvos E Laft auniala C
-	erior vena cava, I-Right vent		ilunar valves, F-Left auricle, G-
			oid and mitral valves, F-Left
•	y artery, c-runnonary vem ntricle, H-Inferior vena cava	-	
cava	itticie, ii-iiiierioi vella cava	i, i-Mgiit auricle, j-Seiimur	iai vaivės, K-Superioi velia
-			ricuspid and mitral valves, F- ir valves, K-Pulmonary artery
d) A-Aorta, B-Superior	vena cava, C-Inferior vena c	ava, D-Left ventricle, E-Sei	milunar valves, F-Left auricle,
G-Right auricle, H-Pu	llmonary artery, I-Right ven	tricle, J-Tricuspid valves, l	K-Pulmonary vein
277. Open circulatory system	n is present in		
a) Arthropods and man		b) Mollusca and aves	
c) Arthropods and Moll		d) Mammals and aves	
278. Which wave of human h		<del>-</del>	
a) P	b) QRS	c) T	d) RS
279. Cardiac centre is preser			
a) Medulla oblongata	b) Cerebrum	c) Pons	d) Epithalamus
280. Refer the statements			
·	present in the erythrocytes		
• • •	arbon dioxide combines wit	•	
<ul><li>a) Statement I is correc statement II</li></ul>	t and is responsible for	<ul><li>b) Statement I is not co correct</li></ul>	rrect but statement II is
c) Both statements I an	d II are wrong	<ul><li>d) Statement I is correct statement II</li></ul>	t but not involved in
281. Generally, artificial pace	emaker consists of one batt	ery made up of	
a) Nickel		b) Dry cadmium	
c) Photo sensitive mate	rial	d) Lithium	
282. Plasma is a straw colou		ng nearlyA% of the blo	od,B% of the plasma is

GPLUS EDUCATION WEB: <u>WWW.GPLUSEDUCATION.ORG</u> PHONE NO: 8583042324 Page | 23

water and the protein constitutes ...C...% of it.

Choose the correct option for the blanks A, B and C a) A-55, B-90-92, C-6-8 b) A-45, B-70-80, C-6-8 c) A-35, B-90-92, C-6-8 d) A-45, B-90-92, C-6-8 283. Coronary heart disease is due to the inadequate blood supply to a) Heart ventricle b) Heart auricle c) Heart volume d) Heart muscles 284. The role of pace maker in heart is to a) Accelerate blood circulation b) Inhibit backflow of blood c) Initiate heart beat d) Stimulate blood pressure 285. The accompanying diagram shows the three stages in the cardiac cycle Which of the following is the correct sequence? a) B, A, C b) B, C, A c) C, A, B d) C, B, A 286. What is the correct order or events occurring in blood clotting? I. Conversion of fibrinogen to fibrin II. Formation of clot III. Thromboplastin formation IV. Conversion of prothrombin to thrombin Choose the correct option c) III, IV, II and I a) III, II, I and IV b) III, IV, I and II d) IV, I, III and II 287. Which one is correct? a) Blood = Plasma + RBCs + WBCs + Blood platelets b) Plasma = Blood - Lymphocytes c) Lymph = Plasma + RBCs + WBCsd) Both (b) and (c) 288. What happens when the pacemaker is non-functional? a) Only the auricles will contract rhythmically b) The cardiac muscles do not contract in a coordinated manner rhythmically c) Only ventricles will contract rhythmically d) Cardiac muscle will contract in a coordinated manner 289. Bicuspid and tricuspid valve opens when a) Blood from the pulmonary artery and vena cava flows into the left and right ventricles, respectively b) Blood from the pulmonary vein and vena cava flows into left and right ventricles, respectively c) Blood from the pulmonary vein and vena cava flows into left and right atrium, respectively d) Oxygen from the pulmonary vein and vena cava flows into left and right atrium, respectively 290. Lead concentration in blood is considered alarming if it is a) 20 μg/100 mL b)  $30 \, \mu g / 100 \, mL$ c)  $4 - 6 \mu g / 100 \text{ mL}$ d)  $10 \mu g/100 \text{ mL}$ 291. Systolic pressure in adult human is a) 120 mm Hg b) 120/80 mm Hg c) 150/120 mm Hg d) 80 mm Hg 292. Which nodal fibres lies along the right and left ventricles (interventricular septum)? d) Cardiac tissue fibre a) Bundle of His b) Purkinje fibre c) Neural tissue fibre 293. Which of the following option describes all the components of human blood? a) A and B blood group b) AB and O blood group c) Rh and ABO blood group d) Rh and AB blood group

**GPLUS EDUCATION** WEB: WWW.GPLUSEDUCATION.ORG PHONE NO: 8583042324 Page | 24

b) Difference in electric potential

d) Ventricular contraction

294. ECG is a measure of a) Rate of heart beat

I. acidophils

c) Volume of blood pumped

295. Neutrophils are also called

	II. heterophils			
	III. polymorphs			
	Choose the option with su	uitable terms		
	a) I and II	b) II and III	c) I and III	d) All of these
296	. Factors for coagulation of	r clotting of the blood are a	lso present in theA in a	ınB form. Plasma
	without the clotting facto	rs is calledC		
	Choose the correct option	n for the blanks A, B and C		
	a) A-plasma, B-inactive, C	C-serum	b) A-plasma, B-active, C-s	serum
	c) A-plasma, B-inactive, C	C-lymph	d) A-plasma, B-active, C-l	ymph
297	. Grouping of ABO blood is	based on the		
	a) Surface antigens prese	nt on RBCs	b) Surface lipids present	on the cell membrane
	c) Nature of all constitue	nts	d) Nature of RBC and WB	C
298	. Individuals having Rh ant	tigen are called		
	a) Rh negative (Rh – ve)		b) Rh positive (Rh + ve)	
	c) Rh (±)		d) Rhesus positive	
299	. Which of the following sta	atement is incorrect about	the lymph	
	I. Lymph is colourful as it	has haemoglobin but no R	BC	
	II. The fluid present in the	e lymphatic system is calle	d lymph	
	=		sponsible for the immunity	of the body
		t carrier for nutrients and		
			als present in the intestinal	villi
	Choose the correct option			
	a) Only I	b) III and IV	c) II and III	d) Only IV
300	. Which of the following is		_	
	a) Blood platelets	b) Bone cells	c) Lymphocytes	d) Leucocytes
301	=		have erythroblastosis foeta	alis?
		Rh antigen in mother's bloc		
		Rh antibodies in mother's		
	-	Rh antibodies in mother's b	01000	
202	d) Both (a) and (c)	- C :11 :		: ] ] [.:: ] [
302			ed upon the flaps of tricusp	
202	a) Chordae tendinae	b) Yellow elastin fibres	c) Reticulate fibres	d) Collagen fibres
303	. Incomplete circulation is			
	I. reptiles II. amphibians III. birds IV. mammals			
	The correct option with a	nnranriata ahaisas is		
	•	• • •	a) III and II	d) I and IV
204	a) I and II  'Pundle of His' is a part of	b) III and IV	c) III and II	d) I and IV
304	. 'Bundle of His' is a part of a) Heart	b) Kidney	c) Pancreas	d) Brain
	aj Ileai i	b) Mulley	cj rancieas	uj Diaili