**Neha Malhotra** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 25**

**Topic: Body Fluids & Circulation**

**[Upto Double Circulation]**

1. Multiple choice questions : [ 1 X 5 = 5]
2. Which of the following options describe all components of Human blood group?

|  |  |
| --- | --- |
| a) A and B blood group | b) AB and O blood group |
| c) Rh and ABO blood group | d) Rh and AB blood group |

1. Which is the largest among the given types of leucocytes?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Eosinophils | b) Basophils | c) Monocytes | d) Lymphocytes |

1. Exchange of gases, nutrients, etc., between blood and cells take place through :

|  |  |  |  |
| --- | --- | --- | --- |
| a) RBC | b) WBC | c) Interstitial fluids | d) Intrastitial fluid |

1. An iron containing respiratory pigment in Human blood is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Myoglobin | b) Hemoglobin | c) Heme-erythrin | d) Hemocyanin |

1. Prothrombinase is formed in presence of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Ca2+ | b) Mg2+ | c) Fe2+ | d) Fe3+ |

1. What is serum? [ 1 ]
2. Name the blood cells, whose reduction in number cause clotting disorder. [ 1 ]
3. Total count of RBC is measured by which instrument? [ 1 ]
4. What are the composition of blood. [ 1 ]
5. Name three major proteins of blood plasma. [ 1 ]
6. Differentiate between B-lymphocytes and T-lymphocytes. [ 2 ]
7. Write the functions of Plasma. [ 2 ]
8. Write the functions of Lymph. [ 2 ]
9. What are the different components of Granulocytes leucocytes, explain it in briefly [ 3 ]
10. What do you understand by Rh-incompatibility. [ 3 ]
11. Explain double circulation with the help of diagram. [ 3 ]

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**[Structure of Heart to Disorders]**

1. Multiple choice questions : [ 1 X 5 = 5]
2. ECG is graphical representation of :

|  |  |
| --- | --- |
| a) Rate of heart beat | b) Volume of blood pumped |
| c) Ventricular contraction | d) Electrical activities of heart |

1. Which blood vessel supply oxygenated blood to the body tissues?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Pulmonary artery | b) Vena cava | c) Pulmonary vein | d) Aorta |

1. Systolic pressure in a normal human is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 70 mm of Hg | b) 80 mm of Hg | c) 150 mm of Hg | d) 120 mm of Hg |

1. Which part of heart is responsible for initiating and maintaining its rhythmic activity?

|  |  |  |  |
| --- | --- | --- | --- |
| a) SA node | b) AV node | c) Ventricle | d) Atrial |

1. The main symptom of congestive heart failure is :

|  |  |
| --- | --- |
| a) Hypertension | b) Impared heart valve |
| c) Congestion in lungs | d) Blockage in Pulmonary artery |

1. Define Cardiac cycle. [ 1 ]
2. Name the instrument used to measure Blood pressure? [ 1 ]
3. Second heart sound is \_\_\_\_\_\_ occur due to the closure of \_\_\_\_\_\_\_ valve. [ 1 ]
4. Define Blood pressure. [ 1 ]
5. AV node produce potential of \_\_\_\_\_\_\_min – 1 . [ 1 ]
6. Write any two differences between Atria Systole and Ventricles Systole. [ 2 ]
7. Explain the following terms related to disorders of circulatory system: [ 2 ]

(a) CAD (b) Heart attack

1. Differentiate between Arteries and Veins. [ 3 ]
2. Draw a standard ECG and explain the different segments in it. [ 3 ]
3. Draw the diagram of human heart and explain its working. [ 5 ]

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2. Serum differs from blood in :

|  |  |
| --- | --- |
| a) Lacking globulins | b) Lacking albumins |
| c) lacking clotting factor | d) lacking antibodies |

1. In ABO system of blood group, if both antigens are present but no antibody, the blood group of individual would be :

|  |  |  |  |
| --- | --- | --- | --- |
| a) B | b) O | c) AB | d) A |

1. The blood cancer is known as :

|  |  |  |  |
| --- | --- | --- | --- |
| a) leukemia | b) Thrombosis | c) hemolysis | d) Haemophilia |

1. Pacemaker of heart is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Av node | b) Bundle of his | c) SA node | d) Purkinje fibre |

1. Dup sound is produced due to closure of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Semilunar valve | b) Bicuspid valve | c) Tricuspid valve | d) Both (b) & (c) |

1. Give the term used for rise in RBC count. [ 1 ]
2. Name the vascular connection that exists between the digestive tract and liver. [ 1 ]
3. Why we called our heart myogenic ? [ 1 ]
4. Name the instrument used to measure blood pressure. [ 1 ]
5. Define cardiac cycle and cardiac output . [ 1 ]
6. Describe the condition termed as atherosclerosis. How does it affect body? [ 2 ]
7. What is lymph and write their function. [ 2 ]
8. Draw a standard ECG and explain the different segments in it. [ 3 ]
9. Explain all about cardiac cycle [ 3 ]
10. Draw the diagram of human heart and explain its working. [ 5 ]