**Karan Arora** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 10th Science Test**  **Max Marks : 25**

**LIFE PROCESS [TRANSPORTATION]**

1. Multiple choice questions : [ 1 X 5 = 5]
2. What prevents backflow of blood inside the heart during contraction?

|  |  |
| --- | --- |
| a) Valves in heart | b) Thick muscular walls of ventricles |
| c) Thin walls of atria | d) All of the above |

1. The blood leaving the tissues becomes richer in :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a) Carbon dioxide | b) Water | c) Haemoglobin | d) Oxygen |  |  |  |  |

1. The normal systolic pressure and diastolic pressure is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 120/80 mm Hg | b) 80/120 mm Hg | c) 120/100 mm Hg | d) 100/120 mm Hg |

1. Which of the following instruments is used to measure blood pressure.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Spirometer | b) Haemometer | c) Sphygmomanometer | d) calorimeter |

1. Which valves guard opening between right atria and right ventricle , and left atria and left ventricle?

|  |  |
| --- | --- |
| a) Tricuspid valve and Bicuspid valve | b) Bicuspid valve and Tricuspid valve |
| c) Semilunar valve | d) None of these |

1. Blood, a reddish coloured fluid, has two components \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
2. Contraction of heart is termed as \_\_\_\_\_\_\_\_ and its relaxation is called as \_\_\_\_\_\_\_\_\_\_. [ 1 ]
3. What is the other name of white blood corpuscles? [ 1 ]

Or

Name two conducting tissues in plants.

1. What makes red blood corpuscles red? [ 1 ]
2. Why is vitamin K essential for blood clotting? [ 1 ]
3. Write 3 function of blood? [ 2 ]
4. (a) Name the blood vessels that brings oxygenated blood to the human heart. [ 2 ]

(b) Which chamber of heart receives deoxygenated blood?

(c) Which vessel takes deoxygenated blood from heart to lungs?

1. Point out 5 differences between an artery and a vein. [ 3 ]
2. What is lymph? Write its two important functions. [ 3 ]

Or

What do you mean by blood clotting? How it occurs?

1. Draw a well labelled diagram of human heart. [ 5 ]

**Karan Arora** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 10th Science Test**  **Max Marks : 25**

**LIFE PROCESS [TRANSPORTATION]**

1. Multiple choice questions : [ 1 X 5 = 5]
2. What prevents backflow of blood inside the heart during contraction?

|  |  |
| --- | --- |
| a) Valves in heart | b) Thick muscular walls of ventricles |
| c) Thin walls of atria | d) All of the above |

1. The blood leaving the tissues becomes richer in :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a) Carbon dioxide | b) Water | c) Haemoglobin | d) Oxygen |  |  |  |  |

1. The normal systolic pressure and diastolic pressure is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 120/80 mm Hg | b) 80/120 mm Hg | c) 120/100 mm Hg | d) 100/120 mm Hg |

1. Which of the following instruments is used to measure blood pressure.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Spirometer | b) Haemometer | c) Sphygmomanometer | d) calorimeter |

1. Which valves guard opening between right atria and right ventricle , and left atria and left ventricle?

|  |  |
| --- | --- |
| a) Tricuspid valve and Bicuspid valve | b) Bicuspid valve and Tricuspid valve |
| c) Semilunar valve | d) None of these |

**Karan Arora** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 10th Science Test**  **Max Marks : 25**

**LIFE PROCESS [TRANSPORTATION]**

1. Multiple choice questions : [ 1 X 5 = 5]
2. What prevents backflow of blood inside the heart during contraction?

|  |  |
| --- | --- |
| a) Valves in heart | b) Thick muscular walls of ventricles |
| c) Thin walls of atria | d) All of the above |

1. The blood leaving the tissues becomes richer in :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a) Carbon dioxide | b) Water | c) Haemoglobin | d) Oxygen |  |  |  |  |

1. The normal systolic pressure and diastolic pressure is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 120/80 mm Hg | b) 80/120 mm Hg | c) 120/100 mm Hg | d) 100/120 mm Hg |

1. Which of the following instruments is used to measure blood pressure.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Spirometer | b) Haemometer | c) Sphygmomanometer | d) calorimeter |

1. Which valves guard opening between right atria and right ventricle , and left atria and left ventricle?

|  |  |
| --- | --- |
| a) Tricuspid valve and Bicuspid valve | b) Bicuspid valve and Tricuspid valve |
| c) Semilunar valve | d) None of these |

1. Blood, a reddish coloured fluid, has two components \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
2. Contraction of heart is termed as \_\_\_\_\_\_\_\_ and its relaxation is called as \_\_\_\_\_\_\_\_\_\_. [ 1 ]
3. What is the other name of white blood corpuscles? [ 1 ]

Or

Name two conducting tissues in plants.

1. What makes red blood corpuscles red? [ 1 ]
2. Why is vitamin K essential for blood clotting? [ 1 ]
3. Write 3 function of blood? [ 2 ]
4. (a) Name the blood vessels that brings oxygenated blood to the human heart. [ 2 ]

(b) Which chamber of heart receives deoxygenated blood?

(c) Which vessel takes deoxygenated blood from heart to lungs?

1. Point out 5 differences between an artery and a vein. [ 3 ]
2. What is lymph? Write its two important functions. [ 3 ]

Or

What do you mean by blood clotting? How it occurs?

1. Draw a well labelled diagram of human heart. [ 5 ]
2. Blood, a reddish coloured fluid, has two components \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_. [ 1 ]
3. Contraction of heart is termed as \_\_\_\_\_\_\_\_ and its relaxation is called as \_\_\_\_\_\_\_\_\_\_. [ 1 ]
4. What is the other name of white blood corpuscles? [ 1 ]

Or

Name two conducting tissues in plants.

1. What makes red blood corpuscles red? [ 1 ]
2. Why is vitamin K essential for blood clotting? [ 1 ]
3. Write 3 function of blood? [ 2 ]
4. (a) Name the blood vessels that brings oxygenated blood to the human heart. [ 2 ]

(b) Which chamber of heart receives deoxygenated blood?

(c) Which vessel takes deoxygenated blood from heart to lungs?

1. Point out 5 differences between an artery and a vein. [ 3 ]
2. What is lymph? Write its two important functions. [ 3 ]

Or

What do you mean by blood clotting? How it occurs?

1. Draw a well labelled diagram of human heart. [ 5 ]