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

**Max Time : 1 ½ hr** **Class = 11th Biology Test Max Marks : 40**

**Topic: Breathing and Exchange of gases ; Body Fluids and Circulations ;**

**Excretory Products And Their Elimination**

1. Multiple choice questions : [ 1 X 10 = 10 ]
2. Prothrombinase is formed in presence of :

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

1. Glucose and amino acids are reabsorbed in the :

|  |  |  |  |
| --- | --- | --- | --- |
| a) PCT | b) DCT | c) Collecting duct | d) Loop of Henle |

1. Which diseases is irreversible?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Emphysema | b) Asthma | c) Pneumonia | d) bronchitis |

1. Adam’s apple is another name of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) sound box in birds | b) Sound box in man | c) Epiglottis | d) thyroid cartilage |

1. Dup sound is produced due to closure of :

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

1. The medullary gradient is mainly caused by :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Urea and K+ | b) H+ & K+ | c) NaCl and urea | d) urea and H+ |

1. Diapedesis is :

|  |  |
| --- | --- |
| a) Bursting of RBC | b) Bursting of WBC |
| c) Production of WBC | d) Passage of WBC out of blood capillary |

1. Renin is released by:

|  |  |  |  |
| --- | --- | --- | --- |
| a) loop of henle | b) collecting duct | c) juxtaglomerular cell | d) renal pelvis |

1. Number of leucocytes present in one mm3 of blood is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 2,000 – 3,000 | b) 6,000 – 8,0000 | c) 8,000 – 10,000 | d) 1,00,000 – 15,00,000 |

1. The percentage of carbon dioxide carried by Hb as carbamino-haemoglobin is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 70-75 % | b) 5-10 % | c) 20-25 % | d) 80-85 % |

1. Define Mediastinum. [ 1 ]
2. Define Micturition. [ 1 ]
3. Which organ is known as Graveyard of RBCs. [ 1 ]
4. Define Diapedesis. [ 1 ]
5. Define Glomerular Filtrate Rate (GFR). [ 1 ]
6. Define the role of JGA during regulation of kidney function. [ 1 ]
7. What are ureotelism? How does it formed? [ 2 ]
8. How does Heart failure become different from Heart attack and cardiac arrest? [ 2 ]
9. Explain Double circulation. [ 2 ]
10. What factors are responsible for shifting the oxygen dissociation curve into right side. [ 2 ]
11. What do you understand by Rh-incompatibility. [ 2 ]
12. Draw and describe the structure of kidney. [ 3 ]
13. Explain the mechanism of internal respiration. [ 3 ]
14. Define the following terms : (a) IRV (b) Diffusion capacity (c) RV [ 3 ]
15. (i) Explain cardiac cycle . [ 5 ]

(ii) Differentiate between arteries and veins.