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

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

**Topic: Excretory Products And Their Elimination**

1. Multiple choice questions : [ 1 X 5 = 5]
2. The condition of accumulation of urea in the blood is termed as :

|  |  |
| --- | --- |
| a) Renal calculi | b) Glomerulonephritis |
| c) uremia | d) Ketonuria |

1. Glucose and amino acids are reabsorbed in the :

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

1. Podocytes are the present in :

|  |  |
| --- | --- |
| a) cortex of nephron | b) inner wall of Bowman’s capsule |
| c) outer wall of Bowman’s capsule | d) wall of glomerular capillaries |

1. Presence of which of the following conditions in urine are indicates diabetes Mellitus ?

|  |  |
| --- | --- |
| a) uremia & renal calculi | b) Ketonuria & Glycosuria |
| c) Renal calculi & Hyperglycemia | d) Ketonuria & uremia |

1. Which substance is in higher concentration in blood than in glomerular filtrate?

|  |  |  |  |
| --- | --- | --- | --- |
| a) urea | b) Water | c) Plasma protein | d) glucose |

1. Define Glomerular Filtrate Rate (GFR). [ 1 ]
2. What is meant by the term osmoregulation ? [ 1 ]
3. A healthy adult human excretes ………………. gm of urea/day. [ 1 ]
4. What are ammonotelism? And how does it formed in liver? [ 1 ]
5. Define the following disorders : (a) Renal calculi (b) Renal failure [ 2 ]
6. Draw and describe the structure of nephron. [ 2 ]
7. Write the significance of ADH and JGA in kidney function? [ 2 ]
8. Describe the anatomy of human excretory system. [ 2 ]
9. Give an account of the counter current mechanism in human kidney. [ 3 ]
10. Briefly state the mechanism of urine formation in human kidney. [ 5 ]

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