**Neha Malhotra** **R.L. Chemistry Classes M: 9253556635**

**Max Time : 1 hr** **Class = 12th Biology Test**  **Max Marks : 30**

**Topic: Human Health & Diseases**

1. Multiple choice questions : [ 1 X 5 = 5]
2. HIV that causes AIDS, first starts destroying

|  |  |
| --- | --- |
| a) Helper –T-lymphocytes | b) B-Lymphocytes |
| c) Leucocytes | d) Thrombocytes |

1. In malignant tumors, the cells proliferate, grow rapidly and move to other parts of the body to form new tumors. This stage of diseases is called

|  |  |  |  |
| --- | --- | --- | --- |
| a) Metagenesis | b) Metastasis | c) Teratogens | d) Mitosis |

1. The substance produced by a cell in viral infection that can protect other cells from further infection is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Serotonin | b) Colostrum | c) Interferon | d) Histamine |

1. Tobacco consumption is known to stimulate secretion of adrenaline and nor-adrenaline. The component causing this could be :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Nicotine | b) Tannic acid | c) Curamin | d) Catechin |

1. LSD is obtained from :

|  |  |  |  |
| --- | --- | --- | --- |
| a) *Erythroxylum coca* | b) *Cannabis sativa* | c) *Claviceps purpurea* | d) *Papaver somniferum* |

1. Why is an antibody represented as “H2L2”? [ 1 ]
2. Why is secondary immune response more intense than the primary response in humans? [ 1 ]
3. Name the organisms that are responsible for ringworm in humans. [ 1 ]
4. Define contact of inhibition. [ 1 ]
5. All human beings have cellular oncogenes but only a few suffer from cancer diseases. Give reasons. [ 2 ]
6. Name the two special type of lymphocytes in humans. How do they differ in their roles in immune response? [ 2 ]
7. Differentiate between Benign tumor and malignant tumors. [ 2 ]
8. State the role of thymus as a lymphoid organ. Name the cells that are released from it and mention their function. [ 2 ]
9. Mention one application of : (a) passive immunization (b) Cytokinin barrier [ 2 ]
10. Write the source and the effect on the human body of the following drugs. [ 2 ]

(i) Morphine (iii) Marijuana

1. Name the cells HIV gains entry into after infecting the human body. Explain the events that occur in these cells. [ 3 ]
2. (a) Name and explain giving reasons, the type of immunity provided to the newborn by the colostrum and vaccinations. [ 3 ]

(b) Name the type of antibody :

(i) Present in colostrum (ii) Present in response to allergens in human body

1. Explain the different measures for control and prevention of drug/alcohol abuse among adolescents. [ 3 ]