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

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

**Topic: Human Health & Diseases**

**(Diseases & Immunity)**

1. Multiple choice questions : [ 1 X 5 = 5 ]
2. To which type of barriers under innate immunity, do the saliva in the mouth and the tears from the eyes, belongs to :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Physiological barrier | b) Physical barrier | c) Cytokine barriers | d) Cellular barriers |

1. Which of the following glands is larger in sized at birth but reduces in size with ageing?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Pineal | b) Pituitary | c) Thymus | d) Thyroid |

1. The clinical test that is used for diagnosis of typhoid is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) ELISA | b) ESR | c) PCR | d) Widal |

1. The sporozoites that cause infection when a female anopheles mosquito bites a person, are formed in :

|  |  |
| --- | --- |
| a) Liver of the person | b) RBCs of mosquito |
| c) Salivary glands of mosquito | d) Gut of mosquito |

1. Which of the following antibodies form innate immunity?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Ig E | b) Ig D | c) Ig M | d) Ig G |

1. How does haemozoin affect the human body when released in blood during malarial infection? [ 1 ]
2. State two different role of spleen in human body. [ 1 ]
3. What are interferons? [ 1 ]
4. In what ways are monocytes a cellular barrier in immunity? [ 1 ]
5. What is an auto immune diseases? Give an example. [ 1 ]
6. Differentiate between B-lymphocytes and T-lymphocytes with reference to their formation and response to antigen. [ 2 ]
7. Draw a well labelled diagram of an antibody molecule. [ 2 ]
8. A person shows strong unusual hypersensitive reaction when exposed to certain substances present in the air, identify the condition. Name the cells responsible for such reaction. What precautions should be taken to avoid such reactions. [ 2 ]
9. How does the transmission of each of following diseases take place and write two symptoms of each :

(i) Amoebiasis (ii) Ascariasis (iii) Pneumonia [ 3 ]

1. (a) Highlight the role of thymus as a lymphoid organ. [ 3 ]

(b) Name the cells that are released from the thymus gland. Mention how they help in immunity.

1. (a) How does the human body respond when vaccine is introduced into it? [ 3 ]

(b) it is said that vaccination are a must for a healthy society. Justify.

1. Malarial parasite “Plasmodium” completes its life cycle in two hosts. Draw its complete life cycle and explain various stages in follows throughout its life. [ 5 ]