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**Max Time : 1 hr** **Class = 12th Biology Test Max Marks : 25**

**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. A person is likely to develop tetanus us immunized by administrating “

|  |  |
| --- | --- |
| a) Performed antibodies | b) Wide spectrum antibodies |
| c) weakened germs | d) Dead germs |

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. B-lymphocytes are associated with :

|  |  |
| --- | --- |
| a) Humoral immunity | b) Inflammatory response |
| c) Cell mediated immunity | d) Phagocytosis |

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. 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) 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 ]