

**CLASS**

**XII**

**TOPIC : HUMAN HEALTH AND DISEASES**

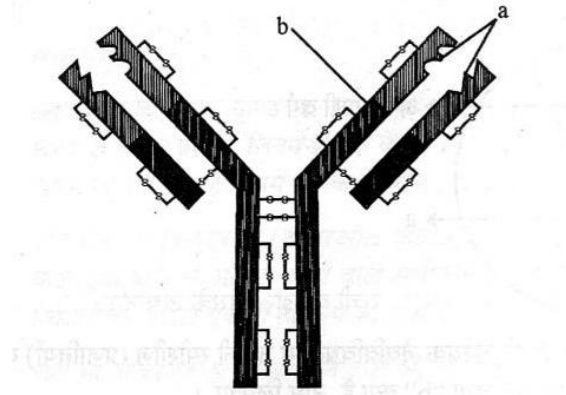
**ONE MARK QUESTION**

- 1 What role do macrophages play in providing immunity to humans?
- 2 Recently chikungunya cases were reported from various parts of the country. Name the vector responsible.
- 3 How do neutrophils act as a cellular barrier to pathogens in humans?
- 4 Name the two types of cells in which the HIV multiplies after gaining entry into the human blood.
- 5 Given below are some human organs. Identify one primary and one secondary lymphoid organs:  
Liver, Thymus, Stomach, Thyroid, Tonsils
- 6 How does colostrums provide initial protection against diseases to new born infants? Give one reason.
- 7 Small allergens trigger sneezing and wheezing in human beings. What causes this type of response by the body?
- 8 A body of ten years had chicken pox. He is not exposed to have the same disease for the rest of his life. Mention how it is possible.
- 9 What type of virus causes AIDS? Name its genetic material.
- 10 Give the scientific name of the parasite that causes malignant malaria in humans.

**TWO MARK QUESTIONS**

- 11 Why is using tobacco in any form injurious to the health? Explain.
- 12 List the specific symptoms of amoebiasis. Name the causative organism.
- 13 How does spleen act as a lymphoid organ? Explain.
- 14 List the specific symptoms of pneumonia. Name the causative organism.

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- a) What does the above diagram illustrate?
  - b) Name the parts labeled 'a' and 'b'.
  - c) Name the type of cells that produce this molecule.
- 16
- a) Name the lymphoid organ in humans where all the blood cells are produced.
  - b) Where do the lymphocytes produced by the lymphoid organ mentioned above migrate and how do they affect immunity?
- 17
- Explain metastasis. Why is it fatal?
- 18
- Name one plant and the addictive drug extracted from its latex. How does this drug affect the human body?
- 19
- a) Explain the property that prevents normal cell from being cancerous.
  - b) All normal cells have inherent characteristic of becoming cancerous. Explain

### 3 MARK QUESTIONS

- 20
- i) How and what stage does *Plasmodium* enter into a human body?
  - ii) With the help of a flow-chart only show the stages of asexual reproduction in the life cycle of parasitic in the infected human.
- 21
- a) Name the infective stage of Plasmodium which Anopheles mosquito takes in along with the blood meal from an infected man.
  - b) Why does the infection cause fever in humans?
  - c) Give a flow chart of the part of the life-cycle of this parasite passed in the insect.
- 22
- Explain the sequence of event that follows when HIV virus attacks to cause immune deficiency in humans.

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How is innate immunity different from the immunity that you acquire through vaccines.  
Describe any two ways by which innate immunity can be accomplished.