

INTERNATIONAL INDIAN SCHOOL BURAI DAH
CLASS 12Th WORKSHEET for the academic year 2025-26 Subject Biology
Chapter 7 HUMAN HEALTH AND DISEASES.

- 1-State the functions of mast cells in allergy response. (1)
- 2-State the function of interferons. (2)
- 3-How do monocytes act as a cellular barrier in humans to provide innate immunity? (2)
- 4-Retroviruses have no DNA. However, the DNA of the infected host cell does possess viral DNA. How is it possible? (2)
- 5-Why is Gambusia introduced into drains and ponds?
- 6-Why is the secondary immune response more intense than the primary immune response in humans? (3)
- 7-How does haemozoin affect the human body when released in blood during malarial infection? (3)
- 8-What is an autoimmune disease? Give an example.(3)
- 9-Differentiate between the roles of B-lymphocytes and T-lymphocytes in generating immune responses.(2)
- 10-Mention one application for each of the following
 - (i) Passive immunisation
 - (ii) Antihistamine
 - (iii) Colostrum
 - (iv) Cytokinin-barrier
- 11-(i) Name any two helminths which are known to be pathogenic to humans.
(ii) List any two symptoms of the diseases caused by any one of them. (2)
- 12- (i) Which organ of the human body is initially affected when bitten by an infected female Anopheles! Name the stage of the parasite that infects this organ.
(ii) Explain the events that are responsible for chill and high fever in the patient. (2)
- 13-A student on a school picnic to a park on a windy day started sneezing and having difficulty breathing on reaching the park. The teacher inquired whether the student was allergic to something.
 - (i) What is an allergy?
 - (ii) Write the two unique characteristics of the system involved in the response observed in the student. (3)
- 14-Write the scientific names of the causal organisms of elephantiasis and ringworm in humans. Mention the body parts affected by them. (2)
- 15-(i) Differentiate between benign and malignant tumours.
(ii) Why is colostrum a boon to the newborn baby? (3)