

HOTS (Higher Order Thinking Skills)

Q. 1. Why is making anti-viral drugs more difficult than making anti-bacterial medicines?

Ans. Because viruses have very few biochemical mechanisms of their own.

Q. 2. If you live in an overcrowded and poorly ventilated house, you may suffer from which of the following diseases?

- (a) Cancer
- (b) AIDS
- (c) Air-borne diseases
- (d) Cholera

Ans. (c) Air-borne diseases

Q. 3. Name the target organs for the following diseases

- (a) Hepatitis targets_____.
- (b) Fits or unconsciousness targets_____.
- (c) Pneumonia targets_____.
- (d) Fungal disease targets_____.

Ans. (a) Liver (b) Brain
(c) Lungs (d) Skin

Q. 4. Classify the following diseases as infectious or non-infectious.

- (a) AIDS
- (b) Tuberculosis
- (c) Cholera
- (d) High blood pressure
- (e) Heart disease
- (f) Pneumonia
- (g) Cancer

Ans. (a) Infectious (b) Infectious
(c) Infectious (d) Non-infectious
(e) Non-infectious (f) Infectious
(g) Non-infectious

Q. 5. Why do some children fall ill more frequently than others living in the same locality?

Ans. Frequency of falling ill depends on the strength of the body's immune system to fight common pathogens. Due to poor immune system, some children fall ill frequently. Balanced diet and proper nutrition for healthy body is required to have a strong immune system.

Q. 6. Why should we always cover our while sneezing?

Ans. Microbes present in our lungs and respiratory tracts can spread through tiny droplets thrown out during sneezing. Anyone standing close-by can inhale air containing

these droplets and get infection. Therefore, we should always cover our nose while sneezing.

Q. 7. If you go to hospital to meet yours friend suffering from malaria, what are the chances of malaria spreading to you and your friends?

Ans. Malaria is an infection disease caused by a protozoan and is spread by anopheles mosquito vector. It cannot spread by simply being with the patient or by contact.