

Wednesday
2/2/2021

Q/Ans

Q/p What do you mean by epidemic disease? Give example.

Ans When a large number of people die at the same time, such as within a few weeks or months or in every year due to breakout of fatal diseases, then this type of disease is called an epidemic.
Ex → Cholera, Dengue etc.

Q/p Classify epidemic on the basis of their characteristics?

Epidemic Type	Characteristics	Example
1/p Common source epidemic	Single source infection	Food poisoning, Water poisoning, Air poisoning etc.
2/p Propagate epidemic	Infectious origin, transmitted from one person to another directly or indirectly.	Influenza or flu Malaria, Small pox, Measles etc.

Epidemic Type	Characteristics	Example
3/ Non Infectious disease	Change of lifestyle, food habit, pollution etc is the cause of epidemic.	Lung cancer, Heart disease, Diabetes, Obesity etc.

Q/p Explain how the changes in food habit is responsible for epidemic disease?

Food habit & lifestyle	Symptom / diseases
1/ Excess food intaking, junk food intaking, less physical work This type of epidemic is non infectious disease	1/ Obesity 1/ Diabetes 1/ Heart disease
2/ Excess fat intake, alcohol consumption This type of epidemic is	1/ Fatty Liver 1/ Heart disease
3/ Irregular food habit, Junk food intake.	1/ Heart disease 1/ Gastric ulcer

Qyp Write full form of :-

ip ORS = Oral Rehydration Solution

iiip ORT = Oral Rehydration Therapy

iiiiip SARS = Severe Acute Respiratory Syndrome.

ivip DOTS = Directly Observed Treatment Shortcourse

vip HIV = Human Immuno deficiency Virus

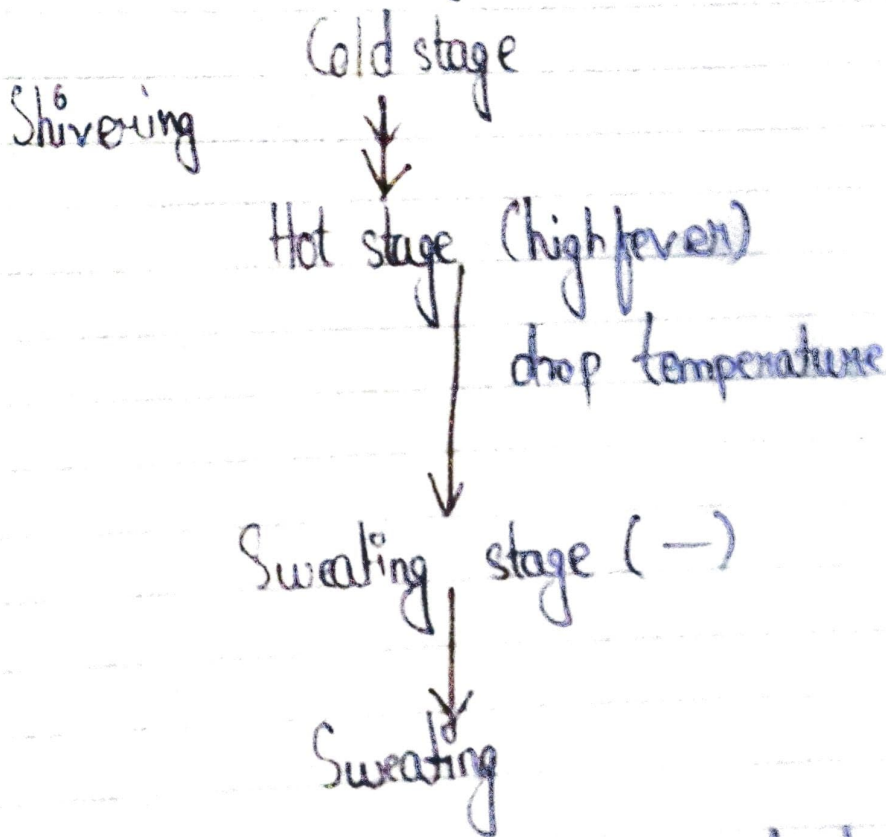
viip AIDS = ~~Acquired~~ ^{Acquired} Immuno Deficiency Syndrome

viiip WHO = World Health Organization

viiiip TB = Tuberculosis

Q5/ Name the different stages of malaria and state the symptoms of the stage.

Ans The different stages of malaria -



The main symptoms of malaria are periodic attacks of shivering followed by high fever, headache and muscular pain are also common. When temperature of body drops patients sweat heavily.

Q6/ Who was Upendranath Brahmachari?

Ans Upendranath Brahmachari was an Indian (Bengali) Scientist who first invented the vaccine or medicine for the disease 'kala azar' or 'black fever'. He ~~was~~ was born on 19th December 1873 in West Bengal and died in 6th February 1946. He completed his education through Hooghly Mohi Mohsin College, University of Calcutta, Presidency University. He awarded by Rao Bahadur award.

Q7/ What is the difference between Epidemic & Pandemic?

Ans Epidemic	Pandemic
An epidemic occurs when an infectious disease spreads quickly and affects many people at once in at a short or moderately large area.	While Pandemic is a global out break of disease that kills millions of people in larger area.

Epidemic	Pandemic
For example → An epidemic SARS (Severe Acute Respiratory Syndrome) killed 800 people in 2003	For example → Whole Spanish flu pandemic killed as many as 50 million people in 1918. Asian Influenza pandemic that killed 2 million people in 1957.

Extra Question 1

Q/

What is metabolism?

Ans

Metabolism is the sumtotal of chemical reaction taking place in the body of a living organism.

Metabolism are of two types :-

1/

Anabolism

2/

Catabolism