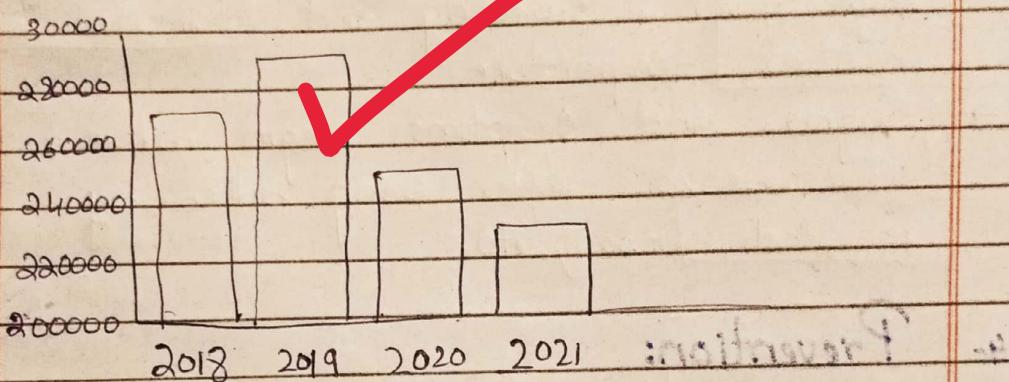


Assignment

Define malaria. Write down its causes, symptoms and preventive measures?

### 1- Definition:

The World Health Organization defines malaria as a life threatening disease caused by parasites that are transmitted to humans through the bites of infected female Anopheles mosquitoes.



### 2- Causes:

Malaria is caused by a single-celled parasite of genus plasmodium. The parasite is transmitted to humans most commonly through mosquito bites.

- ① A bite from an infected mosquito transmits malaria
- ② The parasites travel to your liver where they lie dormant, usually about ten days to four weeks.
- ③ Parasites leave the liver & infect RBCs. This is when malaria signs & symptoms develop
- ④ Malaria is transmitted to an uninfected mosquito when it bites someone with disease. That can spread malaria to humans.

### 3- Symptoms:

Signs and symptoms of malaria may include:

Fever, Headache, Nausea, vomiting, chills, Diarrhea, Abdominal pain, fatigue, Rapid breathing, Rapid heart rate, Cough

→ Some malaria attacks usually starts with shivering and chills, followed by high fever, sweating and return to normal temperature.

→ Signs and symptoms begin within a few weeks after being bitten by infected mosquito.

### 4- Prevention:

To protect oneself from mosquito bite:

**Cover Skin:** wear pants, long sleeved shirts. tuck pants into socks.

#### Apply insect repellent:

Use an insect repellent registered with the Environmental Protection Agency on any exposed skin.

#### Sleep under net

Bed nets, particularly those treated with insecticides such as permethrin, help prevent mosquito bites while sleeping.

4.5

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good answer!!