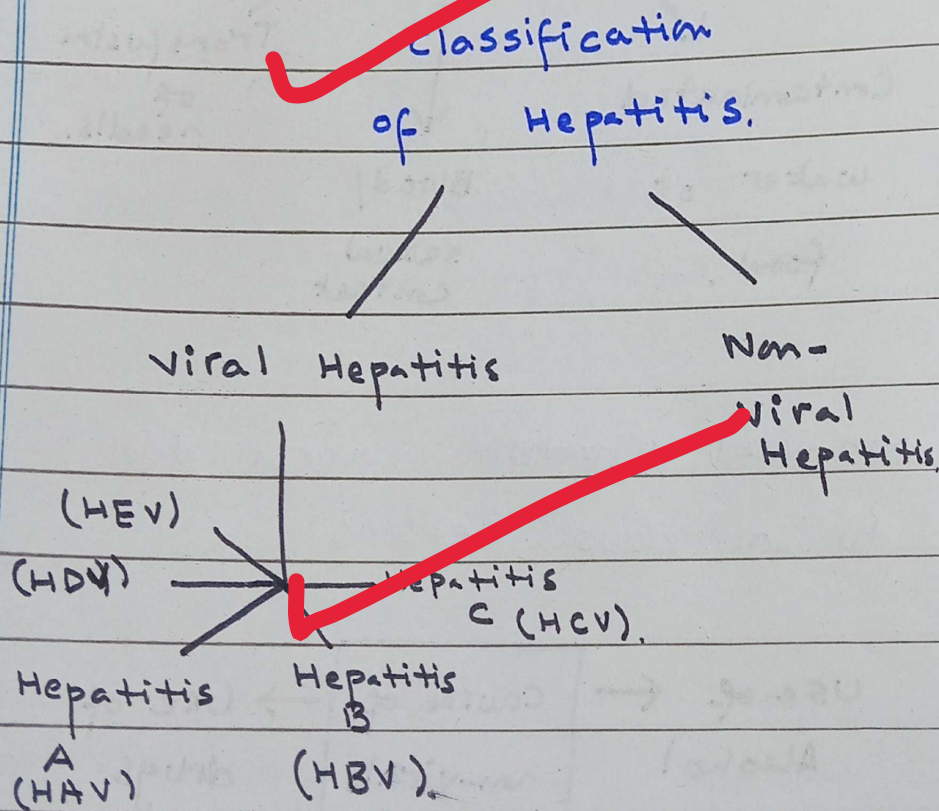


Q4
(a).

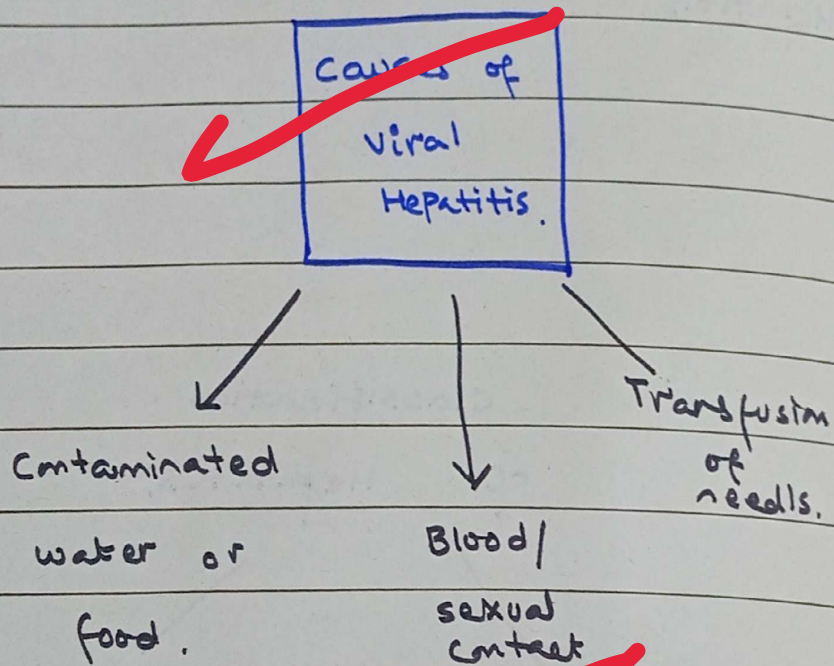
Hepatitis :

Hepatitis is characterized as a disease in which inflammation of liver occurs.

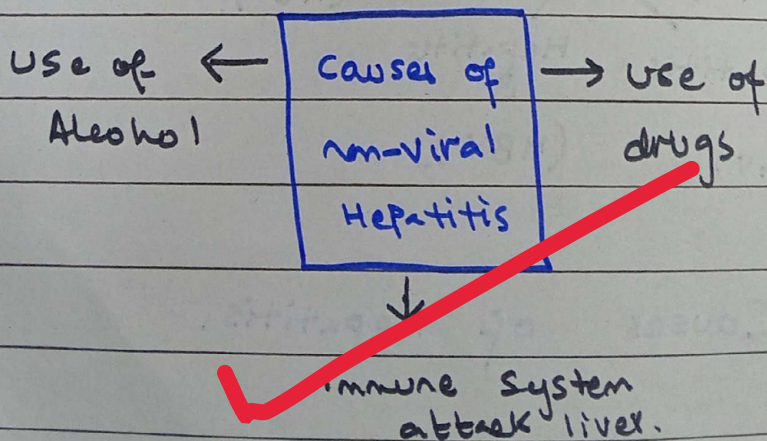


Causes of Hepatitis.

viral Hepatitis occur due to numerous reasons.



Non-viral hepatitis occur due to numerous reasons.



Symptoms of Hepatitis.

Following are the symptoms of hepatitis.

- Fever

- Abdominal pain.

- Jaundice

joint pain

- Nausea } vomiting

Prevention of hepatitis.

Following measures can be taken to avoid hepatitis.

a) Vaccination for HAV and HBV.

b) Medication.

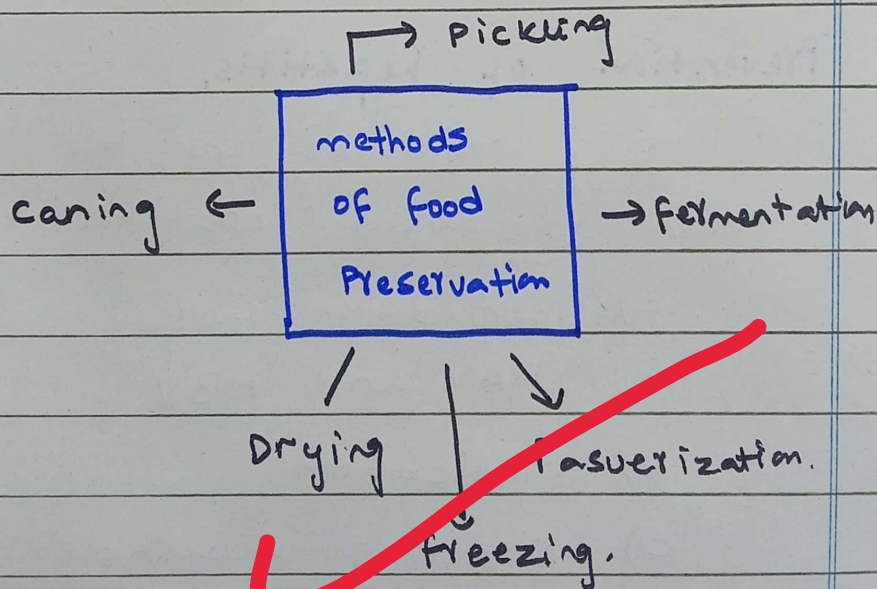
c) Creating awareness among people regarding the use of needles etc.

(b).

Methods of Food Preservation

Different methods are used to increase the shelf life of food known as methods of food preservation.

These methods include :



a) Pickling

It is characterized by use of vinegar in the

food. This will create an acidic environment that will prevent ^{it from} bacterial attack.

Pasteurization :

In this method the food is heated in a low to high flame, in order to kill any harmful bacteria. In this way the shelf life of food is increased.

Add examples

Fermentation

In this method, microorganisms convert sugar into energy and byproducts such as alcohol, gases etc that will help in preservation of food for a longer time.

Drying

In this method, food items

Such as pickles are dried in sunlight. This will help remove moisture from the food.

canning:

In this method, food items are placed in a tightly sealed container with no oxygen. This method help preserve food for a longer period of time.

Freezing

In this method, food items such as meat, fish etc are freezed in refrigerator in order to indense their shelf life,

3.5

(c)

Fertilizers :

Fertilizers are chemicals that are added in the soil ~~that~~^x in order to improve plant growth and agricultural productivity. They provide plants with the ^{nutrients} necessary for their growth. However, the excessive use of these fertilizers can result in pollution and contamination of food.

Types of fertilizers

The fertilizers can be classified into two major types

Classification
of
Fertilizer

Based on
Source

Based on
Nutrients

Organic

Inorganic

Nitrogenous
Fertilizer

Phosphorous
Fertilizer

Potassium
Fertilizers

Organic fertilizers

Fertilizers that
are made from organic
matter such as manure.

Inorganic Fertilizers

Fertilizers that are made inorganically in order to provide necessary nutrients to plant such as nitrogen, phosphorous and potassium.

Nitrogenous Fertilizer:

These fertilizers provide nitrogen to the leaf.

Phosphatic fertilizers.

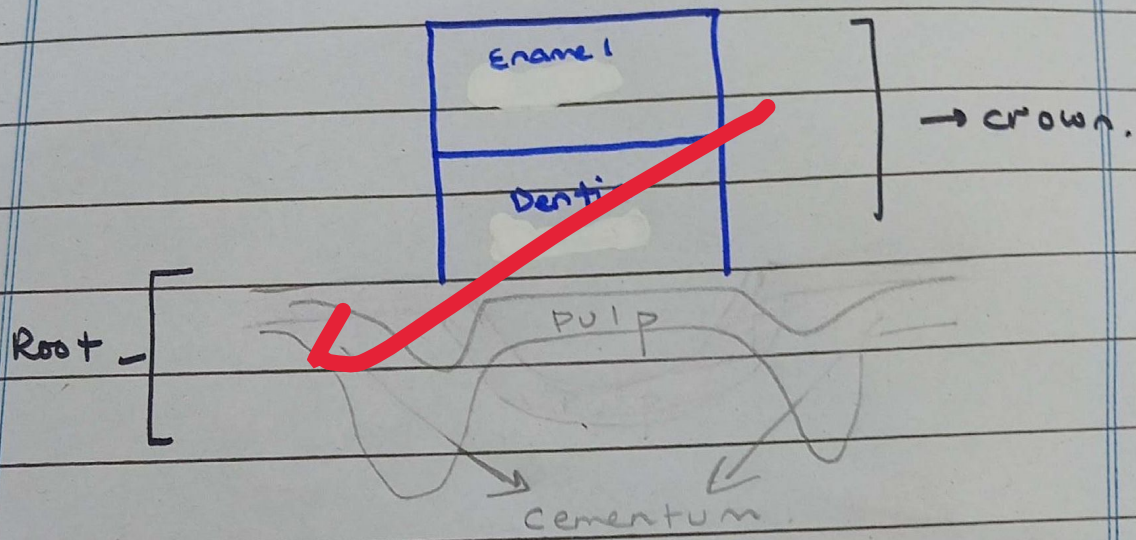
These fertilizers provide phosphate to the roots of the plant.

Potassic fertilizer.

These fertilizers provide potassium to the plant important for its growth.

(d)

Anatomy of human teeth.



Pulp: Pulp contains necessary nutrients
~~for~~ nourishment of teeth.

It also contain nerve
cells necessary for communication

Cementum This part of teeth
is used to locate/fix
the teeth on its position

enamel → softer than Dentin

Dentin → Hard bone.

3

Discuss in more detail