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Batch No	374
Mock paper	GSA
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Question No 4	Part B
Food	Preservation
Food preservation	is the technique
that is used	to Prevent food
	Poisoning and micko-
	on bor along time.
Methods	OF Food
	preservation:
Some methods	for the preservation
ob bood are:	
1- Freezing	
90	n this method, the
temperature ob	the bood items is
lowered by pla	cing them in cold
storage which	helps in preventing
he growth of	micro organisms, like
parteria and	jungi. Fish is usually
mental from	Karachi to Other cities

by placing ice cubes in their storage

2- vaccum packing In this method, Good items are placed in a plastic bag. And the vaccioum is created in the bag by removing the air containing Oxygen and Cox- the essential requirements for the growth of bacteria . It sesults in the death of microorganisms: This method is usually used box the preservation ob dry fruits- the best Source of bood for astronauts.

3- Salting The mothed implies the use of edible salt shrown over the good items . It , not only slowdowns the nourishment of bacteria but also de activates the enzyme present in the tissues. Meat in farsighted areas where there is no light and other techniques of preserving food is not applicable.

## 4- Canning and bottling

In this method, the already, cooked good items are restored in cans and

bottles are sealed The partially cooked pulses are usually, Stored with the help of this method. 5- Burying in the ground food items are buried in the ground width no light axygen and carbon dioxide. This hampers the growth of microoxganisms . It is commonly used to preserve regetables, like potatoes. Question NO4 Port A Hepatitis repers to an inflammatory condition of the liver. Causes of Hepatitis: prinary, it is a visal disease. However, Sometimes medication adruge, taxins, and alcohol are also responsible for the autoinquire hepatitis - a disease that occurry when a human body makes antibodies against liver

tissues:

## Symptoms of Hepatitis Some of the common symptoms of hepatitis are batique loss of appetite, high bern nausea Vamiting and abdominal pain. Types of Hepatitis Hepatitis is mainly classified into five Categories: (i) Hepatitis A (ii) Hepatitis B (iii) Hepatitis C (iv) Hepatitis D (V) Hepatitis E (i) Hepatitis A: (a) Hepatitis A was formerly called infectious Hepatitis. cbo Hepatitis A is mild viral liver disease caused by a non-envoloped RNA Vixus. (C) It is transmitted through ingestion op contaminated bood and water or through direct contact with an infected Person-(d) Its epidemics can be explosive and

Cause Substantial human and economic (e) Almost everyone infected with hepatitic A recovers fully with lifeling Immunity. However, a very small proportion of hepatitis A patients die from it · Preventive measures for Hepatitis A Vaccines for hepatitis A are available. Moreover, sape water supply, food Safety, improved sanitation, and regularly washing hands are the most opportive ways to combat the disease. U1) Hepatitis B: (a) Hepatitis B virus was pormedy Called serum Hepatitis do Hepatitis B varies from acute to chronic liver disease and is caused by a DAVA virus. co The virus is mostly transmitted to a person through contact with the blood or other body build of an injected person. (d) An estimated 240 million people ore chronically injected with hopatitis

B More than 700,000 people die every year due to complications of hepatitis B. Besides, it also causes cirrhosis ( liver fibrasis or dysfunctional liver) and liver dancer. (e) It is a major occupational hazard for health workers. · Preventive Measures for hypatitis B It can be prevented by currently available vaccines. Morever, avoiding using syringes, ste sex practices and implementing blood safety stra Strategies can help in the prevention ob Hepatitis B. (iii) Hepatitis C: (a) Hepatitis C was formerly called non-A non-B Hepatitis.
(b) Like hopatitis B, hopatitis C. virus is also an acute to chronic hepatitis injection caused by RNA eneveloped virus. ico It is a blood - boone disease that is mostly transmitted through Unsage injection practice, inadequate sterilization of medical equipment,

the transfusion ob unscreened blood

and blood products , unsalze sex and from an injected mother to her bary. (d) A Significant number of those who are chronically injected will develop liver chi cirrhosis or liver cancer. (e) Globalty, between 130 - 150 million people, have Chronic hepatitis C injection, and approximately 700,000 people die from hepatitis e-related liver disease. · preventive Measures for Hepatitisc currently, there is no vaccine available bor hepatitis C. However implementings blood sabety strategies such as quality assured screening of all donated blood, can belp prevent the transmission of Aepatitis e. Similarly, Salze Sex practices and proper disposal of used syringes can be oppective strategies to protect against transmission.

