# Guestion # 1

24/40

### Vaccines Us. Intibiotics

Please Discuss.

### Vaccine:

A substance taken in into body in order to increase its immunity against a particular virus is called a vaccine- For example in order to build immunity against community, Pfyzer vaccine is taken up-

### Inti-biotic:

Inti-biotic is a substance that is taken up to hinder the growth of harmful microorganism inside the body of the smarred!

## Differences between Vaccine and Intibiotic

Vaccine

are caused by Viruses

1 Anti-biotic

Prevents harms that Prevents harms caused other living microorgue

710 017 Vauine Anti-biotic (Job) ران It is a one-time ext needs to be intake and ensures taleen up who again pratection from the when the symptoms Same virus for a Show up again lifetime 9t is comparatively It is nighty (111) less specialized. Specialized (iv) It is generated It is generated to from the antedate Stap the growth and of virus and multiplication of microoga resembles the Virus and does not resemble it aims to Contain the specie it attacks in any yeary -(B) Differentiate between cyclone, Isunami, and typhoon-Typhoon is a different name that is used for cyclone in areas like Japan China, and other far-east pations. Hence forth, the differences are listed between a aplone and Isunamis my

co Short Note on Galaxy 2/5

Cralaxy is a word originating in ancient Greece which means "milky". Scientifically, galany is a group of stars that has its own gravitationa pull and Centre- St Can be of any size depending upon the amount of Stars of contains - set may have a few thousand stars and be called as dwarf or it might have over a trillian stars and be called giant- Talking particularly about the mikyway galaxy, i.e, the galaxy which contains solar system it is a medium galaxy. It is disk-snaped and Contains 300-500 billion stars. It has four arms that are termed as Sagiltarius (entaurus, Perseus, and Norma-Solar System lies at the Orion spar which is the minor arm of galaxy.

## Explaining DRM.

DRM is an abbreviation for Disaster Risk Management- It is a Step in the process of clisaster management that focuses on Yisk mitigation.

Post-disaster

Response

Response

Preparedness

Fig: Disaster Management

### Concept of Risk Management

Risk management refers to a point in the disaster management where steps are taken to minimize the risk of the occurrence of disaster in the first place. Simply, it is a pre-disaster measure that reduces the probability of a disaster.

## DRIVE: in Capacity building is the most needed Step for disaster, visic management at enables the disaster managers to have enough resources to Cape up with disasters. Conducting Research and Development dis in the varea of disaster and visk mitigation is an important step. It ensures that rep-to-date knowledge is used for the purpose ("i) Improving institutional performance and specialization also hups to mitigate rises- st ensures that qualified professionals are the front-liners of the process. Enhancing efficiency and effectiveness in the process is essential. It makes sure that optimal amount civ, of resources are utilized and desired outcomes are abserved during the process -

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## Good fats and bad fats

Fat refers to an organic Compound either builds insider the body or taken up via food to meet the nutrient requirement of the body.

### The Good Fat:

Good fat is the type of fat that fatfils body's needs for hudrients and does not cause harm-

For example, unsaturated refletable oil is an example of Good fat. It brown body with necessary nutrients.

### The bad fat:

Fats that are bad for the body if taken in excessive amount are called bad fats. Cholestral, for example, is a bad fat. In excess amount, it makes plaque in the astries and Causes Severe health risks like heart attack, brain strake, etc. This is why it is termed as

(C) Food adulteration...

# Food Adulteration:

Intentional addition of an inedible substance in food is called food adulteration.

## Types of food Adulteration

(i) Poisnous: This is the addition of poisnous substances in the food. It is very harmful and risk of life is involved in t.

(iii) Filthy: St is the addition of pollution substances inside food that one would atherwise would not eat . It may include belies, Stones, or any other undesirable substance

(iii) Economic: In this way type, economic gains are targetted by the process of food adulteration-For example, companies adding food colors to attract customers is targetted fer economic gains.

## theels of food a adulteration is Health risks: Food adulteration an Cause severe health risks including food boisoning, digestive tract issues, and even death. (ii) Violence of Consumer ethics: Food adulteration Variabletes the consumer ethics by selling The non-food items with food. (iii) Environmental riskse; Environment Can also and ser face severe risks due to the process of food aduteration Solutions of food adulteration i) Practising good legal contral: Governments need to maintain / strict control over the purity of two food and those responsible in food adulteration must be held accountable. (ii, Promoting ethical practices in sale and purchase Small business - owners and food - sellers must be incentivized to focus on the quality of food-(iii) Increasing consumer awareness: Governments must conduct campaigns on educating the public about what they are Consuming -

Effects of food 2 adulteration is Health risks: Food adulteration an Cause severe health risks including food boisoning, digestive tract issues, and even death. (ii) Violence of Consumer ethics: Food adulteration Vocalates the consumer ethics by selling the non-food items with food. (iii) Environmental riskse: Environment Can also find ser face severe risks due to the process of food aduteration Solutions of food adulteration is Practising good legal contral: Governments need to maintain strict control over the purity of two food and those responsible in food adulteration must be held accountable. Promoting ethical practices in sale and purch (ii) Small business - owners and food - sellers must be incentivized to focus on the quality of bood-(iii, Increasing consumer awareness: Governments must. conduct campaigns on educating the public about what they are consuming-

1- Food preservation: Food preservation is the process of preserving edibles to save them for later consumption- of may be for Short-term or long-term depending upon the requirement-

# 2- Methods of Food Preservation

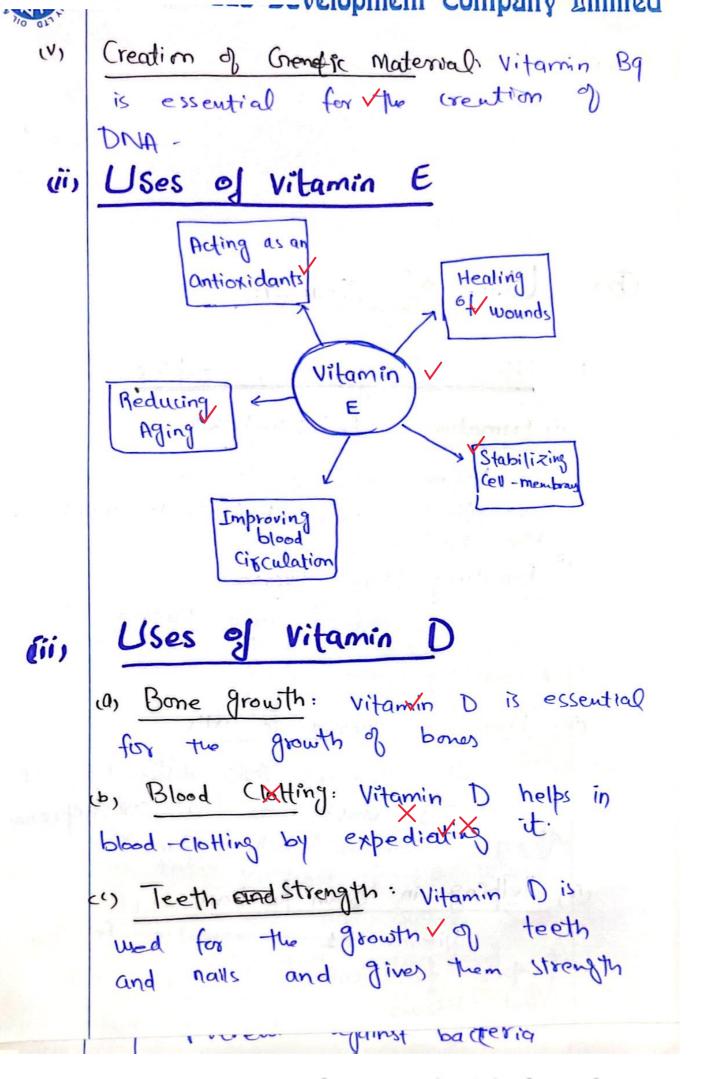
(i) deating: Food is heated at a defined temperature and then kept in a clusted Container- This is utilized for short-term food preservation-

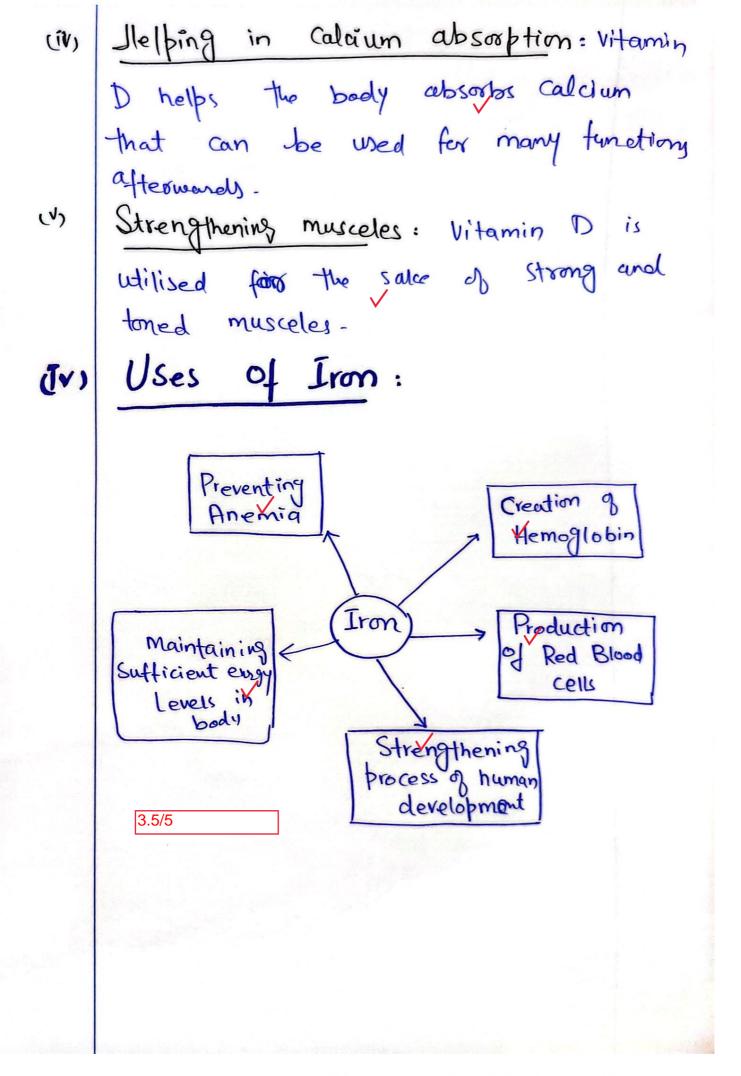
(ii) Freezing: In this method, food is foozen quickly and kept inside the freezer for longer periods. For enougle, meat is preserved in this way-

(iii) Adding stand. On this method, server is used to increase the immunity of the food against micro-organism. This, in turn, increase foods life-

(iv) Adding Salt and Sugar: Salt and Sugar are used within food to increase its edibility period as they brevent against bacteria

Canning: In this method, food is stored in large or small cans which are tightly backed. It prevents the Chemical reaction that oxidate food and hence, is a preservation method Uses of Vitamins B Uses of Vitamin - B Complex (a) ci, Formation of Red Blood Cells Vitamin Bigused to form Red-blood Cells - Preciesly, vitamin B-6 is responsible for RBC production ii, Breaking Down glucase further parts. This helps in the procen of digestion-(iii) Providing Energy to cells It provides cells with a great amount of energy as a coresoquence of its reaction with glucuse civ, delping in Brain functions Vitamin B1 is essential for the proper functioning of nerve cells and ticsius-





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