19 Dec , 2024 Day Thursday. General Science Name: and Ability. Saliha Malik. Q2- a- Briefly explain lipids. What are some types of lipids? What are their functions . Lipids: Lipids are organic compounds: Lipids are hydrophobic means they do not dissolve in water they involve in biological processes tike cell membrane structure, signalings, · Types of Lipids: there are myor four of lipids: Ingly cerides: brightycerides composed of glycerol also called fats. They are responsible for insulation and long term energy storage in 2- Phospholipids: Phospholipids composed of glycerol, so faty acids, and phosphate group. It is bilayer lipids in the cell membrane which provides structure and protection to the cell. 3- Steroids: Consist of fosed rings. Steroid and cholestrol hormones ike estrogen or testosterone are involved in this type of lipids. they are helpful for energy storage

Day: Date: ___ 4- Waxes: waxes consist of fally acids the insulation as we 6- Enlist a few measures energy conservation and Energy Efficient Appliances: Utilization of energy efficient appliances can reduce consumption. Appliances involve energy saver bubs, energy efficient refrigerators, etc. Small Grids and Energy storage: Small goids and energy Storage can optimize the distribution which can reduce the energy consumption and wartage Efficient Energy Usage in Transport: Use of electric transportation public transportation can reduce the investment of energy in transportation sector. Behavioral Changes: Behavioral changes is the important of energy conservation. Changing habits like turning off light, disconnect the device, etc when

not in use can save the · Support of policies: should make policies government set who take precautismary measures for energy Energy - Efficient machinery industerial sector. Hore should be energy clorage machiner should be energy like waste heat recovery machine. Such the of machinery conserves major portion of energy Fromoting Kenewable Energy Source: venewable energy sources like hydroelectric power, solar energy, wind energy ete. It reduces the dependency on foscil fuels. It helps in reducing or using the energy and saves the economy efficiently as well Because dependency on fossil fuel is very expensive. c- what is hydrogen bonding? Give elaborating structures as example. bonding is a bond balueen hydrogen atoms which are covalently bonded with highly electronegative

atoms which pulls the electron Date the lone pair of electrons another attronegative atoms. examples: Water: Water (4,0) a classical electronegative and hydrogen becomes atom. This hydroge one water molecule is of another water molecule another ammonium

Date: d- Discuss the nervous system of human body. Nervous System:

Nervous system consist of
two systems; central nervous system and peripheral system. · Central Nervous Centeral nervous system consist brain and spinal cord cerebrum cranium Lypothalamie Dura Samygolala matter Archnoid Meninges. halamy >pia matter Hindbrain Mid brain. Spinal cord rspinal nerves. 1 Brain: major part of Brain is the system. central nervous the body system and maintains the tuman

Date · Cranium: provides protection to the . Meninges: in further three Fore brain:

to the limbic system 2- Mid brain: Mid brain is 3- Hind brain: . Medulle Oblangata: controls controls responsible transition wakefulness. Cerebellum: controls voluntary other peripheral Other book parts and mescages. Nervous System: Peripheral Sensory Division Division Motor division transfer the from body to the nervous system

. Motor division transmits the message the muscles and -> Somatic Nervous System: It controls the volundary actions like kears rate Loc Willing muccles movement. - Autonomic Nervous System. It controls actions heard rate, breathing further divides two parts: system 1-Sympathetic keeping body position 2- Parasympathetic. System: I for relaxation heart rate pressures ic hepatitis? Explain a- what causes, symptoms, and preventions. Hepatitis: Hepatitis is the liver inflammation disease. It or chronic liver disease to liver domage -, Causes: Viral Infections: Hepatitis A: Hepatitis cause through hepatitis A virus. It is due to

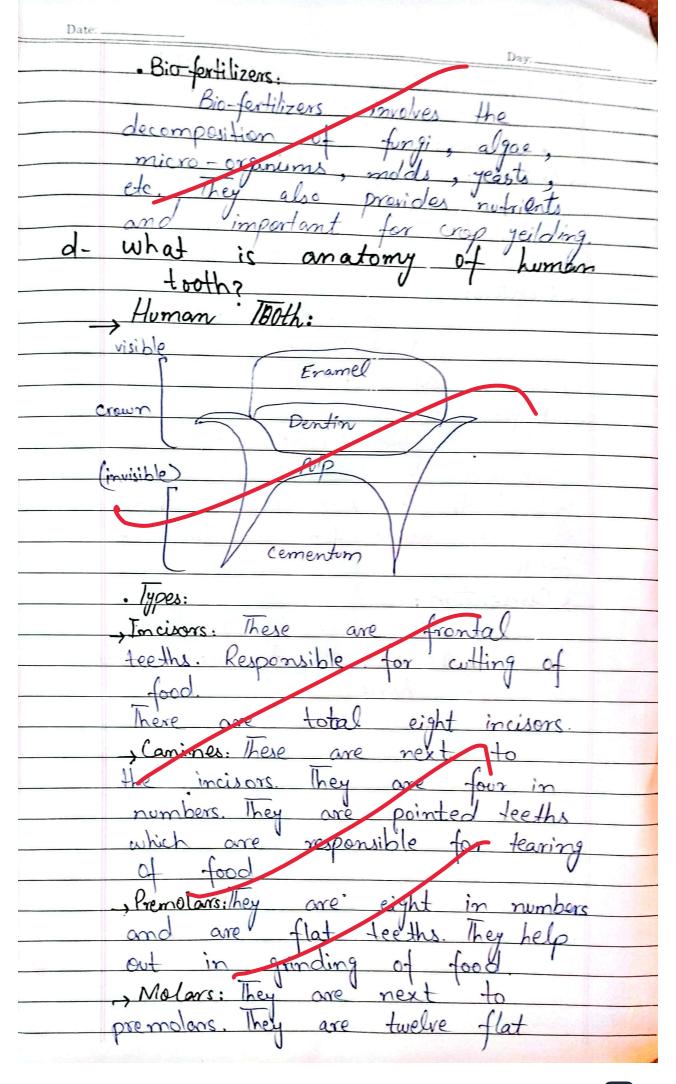
containinated food or water. Hepatitis B: It is cause b hepatitis B virus on blood tranfusion, trans. Hepatitis C: It is coused hepatitis C virus and the infected syringe 08 water. Hepatitis D: 17 is person having B, may have hepatitis worsen the symptoms of hepatitis > Symptoms: Hepatitis con cause symptoms like jourdice, vomiting, abdominal pain, fever, itchy skin, black stool, etc. Non-Vival Cauces: Excessive consumption of alcohol containinated and food proper Having Prevention: of Sanitation. Avoid alcohol . Use clean water and food . Adopt safety behaviors like using new syringes.

Date

	Day.
Date:	1. methods of
b-	Elaborate a few methods of
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	a sign of the sign
	ab a coche present the 4000
	1 maintains
	and texture of just
	orgiont it from nucro-
	organisms that deteriorate the
	food.
	Refrigerator and freezing:
	Refrigeration and freezing of
20	food keeps the food preserve.
	It kills the micro-organisms
	and prevent the food.
	Fore example, eggs, milk,
	meat, etc.
	· Salting:
	Salting is an ancient method
	of food preservation. Addition of
	Salt in 1000 to keep it prevent
	from spoilage. Salt is acidic in nature so it prevent the food
	from micro-organisms.
~	preserved through this method
***	· Pickling:
	T
-	,
· · · · · · · · · · · · · · · · · · ·	
	It prevents the oxidation of
	food.

Date: 18 Dec, 2024 Essay Name: Saliha Malik The food involves Explain fertilizers. What are types? and crop yeild. ients. There are two nutrients; organic fertilizers. Inorganic Fertilizers: plant growth.

Date: Nitrogen fertilizers: fertilizers Phopharic fortilizer: Phosphorus ammonium potassium composts leaves fertilizers involves



Date: Day: which outer most Dentin protes content pillaries. responsible teeth 3 Cementer teeth bone Explain complex concepts in simple terms. Use real-life examples Include diagrams and flowcharts for competitive edge. Discuss practical applications of scientific concepts. Use diagrams and graphs