	NAME: Muhammad Ramzan	
	Test: GSA 265	
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	Question 2 (A)	-
	Renewable Energy Resources:	-
	The energy resources which does not produce	
an an air an	bhe green house gases and their replenishing	
	power is high are called renewable energy	
	Impostance of Renewable Energy Resources:	
	The main advantage of renewable energy	_
	resources are their less impact on environment.	
	some of the advantages of renewable energy	-
	sesousces are	-
	· LESS Gracen House Gas Emissions:	_
and the local day of a local	The prime advantage of renewable resources	-
	ave that they emit less green house gas	-
	emissions like Co2, CHy and Nox These gases	-
	are very harmful for the health.	
	· Low Enhanced Green House Effect:	-
	Renewable energy resources create low enhanced	
	green house effect. This maintains the life cycle	
	of carbb by not not sising its temperature.	
	· Limit the Global Warming:	-
	Global waxning is the gradual increase in the	
	average bemperature of earth-Due to global	
محمد المراجع والمراجع والمراجع	workning, life becomels impossible on each But	-
	senewable energy resources limit the global warming-	-
		i.

· Restoring Ozone Layer Depletion: Ozone layer is essential to stop the hormful radiabions caroing to earth But green house gases depiebe the ozone lay ex. This depiebion can suescome by using the senewable energy resources Solas Energy: The energy that is ablained from the signs of sun is called solar energy 32 Process of Solar Energy Sun light fails on the cells of solar plate, then the electrons in the cells are tree to move These free electrons conduct the electricity Diagram: Generation of SUR nezgy plabe 5000 Babberry 50 Shore electricity Tillos usage) Limitations to Renewable Energy Resources are some limibations to senewable energy. These sesances which are High Installation High Maintenance Sclimatic Cost Constraint Technical Expersise

8.1

Question # 2 (B) - idamental Rocks: Rocks are the hard solid motesial found loside and outside the easily coust? Types of Rocks: These are basically brace bypes of rock's These ROCKS Mesamosphic Igneous Sedimentary TOCKS Rocks tocits Tobousive Extrusive TOCKS 700c145 Igneous Rock: Rocks that are formed from the fire" Igneous rocks further have two types Intrusive tocks: Bocks that are inside the moundain Extrusive rocks: Bocks that are outside the mountain Sedimentory Rocks: when weather conditions water, gravity and ats act on igneous, the tooks that are formed ase called sedimenbasy socies

Metamosphic socks: The pressure on the sedimentary racks increases due bo the upper layer of rocks, AS a result, sedimetrosy sock change sheir shape and socks bhas are formed are called metamorphic rocks Rock Cycles The formabion of tacks from maging and the conversion of black rocks into again maging is called sock cycle Magma exupt and the socks inside the mountain are called intrusive rocks and the rocks aubside of mountain are called extrusive Then sedimenbary rocks are formed which convert to metamosphic socies and finally they convext to equin maging 80 Maging COUD 7 Formation of Extrusive rocks meta mosphic rocks Inside mountain ROCK Form alion of Cycle Inbousive rocks on sedimenberry Igneous socias YOCKS oubside mountain weather conditions. water, ato, graviby act

Question # 2 (c) Fabs: Basilipas and participas. Fats are Ripids that have multiple function in the body. They shoke energy and contain the compounds like carbon, by drogen" Fundamental Elements of Forbard -The fundamental elements of fab 15 the fatty acid-Saturated fats, quait hand anguantia. The fats which are solid at the room temperature are called Saturabed fabs" Example: . Meat Unsaturated fatsusation transmin and drawing. The fabs which are provid at the soon temperature are called upsaburated tabs" man to be a final of Example: · Juices Importance of Febsimed glass mast suce. Fats play a vital sole in the bady Feets are basically the lipids which captain cholesbural. The importance of fabs are. · Essential for Metabolism: Every cell in the body requires fabs on its ouser loyes be subver The cellsone play a vital

Manager and an address of the same of the		
	oale in the metabolism	
	·Regulating the seactions:	
	These are multiple reactions balsing place in the	
	body every time Fats are ressential for them	
- A sector and	be continuously regulating the seactions.	
	· Removes Excessive fait from body:	
	some tabs semoves the excessive tab from the	
	body which discupt the fonctioning of body which	
	• Normalizes blood flow:	
	Excessive fab build on the enderies which restrict	
	the blood flow The high densiby lipopoobein	
	which is actually a fab servoues the excessive x	
	tab and normalizes the blood flood - table	
	Prevent the heart attack:	
	when excessive tab semoved from body, by high	
	density lipopopleror The blood reaches the beast	
	easily and the heart perform function easily	1
	which prevent the heart ablack_	57
-	Save from brain hamerage:	
	The brain work on the blood flow if the blood	
	does not reach it, then it stop working su, fats	
	prevent from the brain bamerage	
	· Eastand to be have a series of the series	
-	and a second	
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QUESTION # 2 (D) Vibamins: "Vitamins are organic compound in the bady which are essenbled for multiple fonctions in the budy? classification of vitemins: about as ander Vitamins are classified into two types on the basis of fab soluble and water soluble-(Vibamios) (1) PA Dimeta. Waber Soluble: nimetiv Fat soluble Vibamins VIDAMIDS adi selain B C Water Schole Albamins: and almativ The vitamins which are soluble in water one called water soluble vibamins vitamin B: Jak pollowers Vibamin B is a f water soluble which have Further super from vitamin B1, B2, Bg, BS, Bs, B7, B9, B12. These are essential for preventing body from multiple drogases and their deficiency Caused some poublems. Vitamin other name sauce deficiency Vitamin B1 Thiamine Posk, beans besiderary

Crack ab the Vitamin B2 Ribbillavin Milk eggs Cospers. of mooth Vibamin B3 Pyridoxine Head, fish Pallagasa vitamin B5 Panbobbenic Milk, vegebables Fabique acid Nacidn : Meabifish Insomnia Vitamin B6 Vitamin B7 Bio Leafy green Hair Joss vegebables Vitamin B9 Falabe Meab, whole Fabique, Insomia grain vegetiles Vitamin C: Vibamin C 15 glso a water Soluble vitamin_ This is very impossions because ibs deficiency cause disease called Scurva 9 other name SOURCE Vitamin Scoule deficiency - Danne Vitamin C Ascoobic acid Chessies SCUOVY Importence: Regulating the reactions Help so Water soluble Harmone Hebabolis m Vitamin regulador Sove from the cr 19 almo fiV diseases

3 QUESTION # 3 (A) Vaccinization: The process of building resistance in the human body against the specific disease visus or infection is called Naccinization or immunization This process can ried and through "Vaccines'. Waxking of Vaccine: vaccine enter the body and make the immune system strong, cells generated which kill the visuses, memosy cells generated simmune system. Strong against that VHUS-Immune System 149 3411 Vizus enter the body become strong Anti-bodies Vious 16111 by antibodies produced Immune system and Memory cells Strong against that uses generabed Delivery of vaccine : mainair stanupas becent exa vacune are delivered orally First Vaccine: IN 1885, louis Passeure produced the first Vaccine against the zabbies_

Properties of vaccine: Vacane Kills the vious Properties Talsen only Naccine 15 of a preventive one time in Naccine the life method can cause bealth 1. Salar defects slike feves Types of Naccine: app dist pro These are different types of vaccine Live LAtte nuated in the line Coiven by bhase whose immune systems are Strong Dead: Entherna direct Mai share visuses are dead, given to those whose immune sy shem is weals Toxold Vaccine: .11 Taxoins secreted by backerig Conjugabe vaccine: The islan vaccine which has combination of probeins and bacheria : 1015001 12017 2 - Shall sale hills

Question # 3 (B) and traver? Balanced diet: "A diet which has all the essential nubrients in it in a proper portion is called the balanced dues not in the Composition of Balanced dieb: The composition of balanced dieb as the following (compasi bion of balanced diet corboby doales = 58%) (Probeins=12%) (Fabs=30% Merits of balanced dies: Balanced dies plays an impossion sole in the normal functioning of body_ ·Helps in Metabolism: corbobydrabes, probens, and fabs helps in the metabolism · Digestion of Food: The food can be digest effectively when all components are in balanced diet-· Builds Resistance against discases: These diets helps in building the resistance equinst the diseases

Prevent the bisk of heart attack: when blood flow eavily, the heart can pump efficiely, which clower the sists of beast attack-Saved from Brain Hamerage; The blood requises blood from for the effective functioning If blood flow posily, it can work efficiently, and the brain hamerage will be occur The Strate Helps in Metabolism: shood to nottespices · Rullis Resistance against E. J.

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	Question # 3 (4) an antiques
	Disoster Risk Management (ORN):
	"Disaster bisk management is the process
al desire the second second	to backle the disaster effectively and
	limit the damage caused due too therman
	prevalent disablers"
	Working of Disaster Risk Management:
	2- Prepared ness
	prepare the documents
	and the essential
	1. Hitiggton things 3-Response
	Exadication the how people act
	disasper from an and any and the the set and
	its mob measures bu
	by government
	4- Recovery
	Recover the
	affected creed int and
	by Engine and
	Technical experisise
	weaknesses in Palastan DRN:
	Palsistan faced Jeveral floods and bheir impacts
	are huge. This is due to the weak nesses in the
	DRM-These goe
	A second s

Cossuption in the Fund: Palsistan rentes 133rd in the corruption perception index which indicates that there is bigh level of currenter in Pakistan-Brain drain: Pakistan's Technical expesss a leaved the country According to Ministry of Oversees, In loss decide, lo million people left the coundry Flawed Policies by Government: Some policies by the government are only too there awa benefit, which hindse their process. Uneducated Population in Palkisten's Northern and Southern Sides like Sindh and KPK are behind in education - People did not know that how these policies are beneficial for them Implementation Issues: Some policies ab the end, but they never come to implementation side Because of this disasper wisk management is out so efficient in Pakistan

QUESTION #3 (D) Carbohydrates respected to the passion The word carbohydrate means the compounds of bydraded carbon? For mula: classification of carbobydrates: Carbobydrabes are classified into three bypes. Casbobydrates 312 -T Poly Oligo (MODO) which contains which contains which contains buo or more publiple mono only one Sacchaide than build · Saceboide Sacchoide moleculemolecule molecule Example: Example: Example: · Sugarse - Poly-peptide ·Glucose ·Fruchose Properties of Carbohydres: These are several properties associated to carbohydrabes. · Complexity: Complexity increases from more bo poly Saceborde

MÉOÉP Strength breakes: The handness increases from Mono to poly Saceboide Saceboild MLOLP Solubility: which is a alonger The solubility decreases from . Mono bo poly sacobaide M>O>Picturining Taste: None Sacchaide - Taske aligosacchaide dess baske Poly Saccheide - Taske less Impostance of Carbobydrate: · Basic building block molecute · Stoxe the energy · Basic Source of energy Fundamental Element: The fundamental etement of esaboby drabes 15 the Sacchaide? ----prine anost