GSA Test 2 - Kontoray Pasha QUESTION 2 (b) Enzymes: Enzymes are proteins that act as a catalyst for chemical reaction. They are produced is biological orgonisms and are used to speed up chemical reaction taking place within that organism lo-enzyme: The non-prakin part Conjume is called co-enzing Mechanism of Action. Enzyme tollow a lock nd key model. As every lock has a specific key, every enyme has a specific substrate. So, enzymes are substrak specific

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and do not act with other Substate Enzyme Enzyme - substrate comple Product Lock and Key Model Charackristics of Enzyme. Every enzyme has the following characteristics: Specificity Enzyme are substrate specific do not act on other chemical reactions with di Sybs

moleules Ethicent: highly ethicent Enzymes are and con spred up a chem 20 reaction by la hold Reversible Direction: Enzymes for act both the sides of the reaction and can work in the of reversible direction Prokin Nature: Enzymes are usually profeir nature but do have some part of non-protein elemen 950 - Conzyme : 1 Iso-enzymes are enzymes that act on the same chemical reaction but are chemically

physically different from each other (1) Introduction : There are a number of faced environmental challenges being a bansition in energy system is required to curb the situation. In this scener shift from non-renewable source of energy to renewable source of energy would be Pivotal in monaging environmental Concerns raised by consumption Reducing environmental cost through renewable energy: By using the renaughle Sumes of energy in place o non-renewable sources that crea

19944 tremendous pollution in the environment. Some of the ways reasons it would benefit One as tollows Release of lesser pollutants * in air: The use of renewable energy Sources like Solar energy, and hydro energy would release lesser or no pollutous in the air t all Cheaper Sources of energy: * The renewable source of energy we cheaper as compared to the use of field, ratual and other sources oil to Tonins Runoff in Water: The water bodies remain

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protected from the industriall spillovers and runsoft & filled with dendey pollutents and to in This the environment will impact Sateguarding wildlife hom destruction. The use of natural oils and petroleum for energy productive harms witdilife greatly renewable sources like Sun, wind, water safeguard he wildlikes and their natural habitat Reduced Waste and disposal The renewable sources 04 energy do not produce much waste ones produce easily dissoped off as to non renewable one Conclusion :

4 So, the renewable sources of energy one better off for the environment as compared Sources non-renewable energy (d) Remote Sensing: Remote Sensing is a technology and a phenomenon that allows to receive and sent information without physically Contact with the device. H This corrept is applied in all devilles used in the would today to communicate with loch other rinciple Remok sensing is He satellites orbiting the cash at certain angles. The waves the device are sent to the

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Satellite Satelijks capture the Signals, bondate them and horser them to the other receiving body and device. All of this happens in split seconds even milliseconds The signals are sent and received through waves that he sufclutes are able to capture at certain bequency and wavelength. Environmental Applications: Remark Sensing is being used to benefit the environment and holds multiple applications. as follows: Weather Forecasting: Satellites capture all the weather elements and creates forecasts that are received by he ground objects on Forth,

(limatic conditions. The changing dimake conglitions over a period of time for be Known by using semple sensing technology used in many devices Worning of Natural disasters: Remote Sensing is used to Capture the changing environment and the weather conditions that allow to tosee incoming natural discusters Helps in Agricultural techniques: * Remote Sensing helps in monaging (rops and checking the a quality of crops in terms of insectudes, mutucuts and pertindes IN

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QUESTION 3: Introduction . Maloria and Dengue both diseases that Con Occur by the bile Ony human being a masquitoes both of 1)sually these discuses have over lapping sympton Some by the Or caused ho Lite of 9 of Pasons not the some mosquites but snC. aleria ymptoms of and Dengue Both of these diseases have Some Symptom more tollow (; which as ant High level of temperature ano

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entreme level of tever texper to he pabent highling malaria or Dengue 2 Enterne weakness occurs to the lights Res Heuneu ene 3 0 deep our Entreme fall in the of platelets in the can domage the human syster they and the normal functioning of body Stomach aches and diarrahea con also accompany desque molaria sometimes. Loss of body weight and fab orcur in both the lases reventions of Dengue and Malaria have more or less Both Sime precautionary measures in

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are as tollows, from the mosquito Protection especially_ he mosquetos that Case dergue and ter marlang Avoid sitting in open al In unhygicinic condition and Mealthy dict and had con spengthen the body against Such attack Create hygienic environment amund Drinking safe, clean environment birth of to avoid the and mosquitos Entrophication 10 a phenomenon that leads to the excess nutrients in bada ler les, 10 pondo

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excess of support and ribogen in water row lead to excesse mbrient. Creating algae blooms on the surface of water. (auses The increase in nutrients like Sulphur and nihogen in water The spill off by industries and agijultural oreas and crops in water The release of pollutonts, hours and himes in avid that cen Creark and rains, adding water buckey Deadly pollutants percelabry in the sea bodies and oregins Excessive use of insechaides a peshuides pulluling the nearby water areas

Effects: The effects of entrophication tollow The excess of pollutonts in water hormful for water bucks Sunlight and Onygen unable to water dul bodies enter the Bloom algae presence of plants on was S4r anel Shortage of onygen marine hi water tata wa Proves bodies Unable to use pp wa gets usuable die he algal excessive ~ nutrient blooms are Ka water water decr - quality of 4 unuscable makes it ane dinking, Swimming or

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(d) GIS GPS GIS stends for ¥ * GPS stonds tor Colobal Information global positioning System System , At is used for It is used by data mapagment locating movemen and posihor It is a system * * It is weak to tor caphyny, locate objects and andlyzing the vehicles devices anon global data he world Multiple softwores + Sufellites and hordwords to perform gre ned (reates mays, Y + It are produces real models and time due location or analyus for devices grand he deusion matcing world + Used to nevgation Used for Urbon planning and and they hacking Environmental

- Involves complex & Simple and Casy location determination gralysis and + Used in all + Used in hacking devices technological devices in any devices and all devices