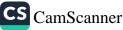
1 1. 1 4 4 5 7 Part-I Section-I Q. No 3 : Draw diagrams a. what is where complete is is generated? Give examples Keep all answers length equal tsunamis. A trung flow charts a grange ocean Lang digstreen waves anexampleste volter. an due nerter volume of emption ric. undersea earthquare. landslide. · How Tsunamis are Generated: 1. Undersea Earthquake: que caused Mort Frunancis Depletetete undersea. Besides also considered to be by tectonic monements Mis earth guille is neason main trunamis generation the 7 which then propagate a lange amount wonter wanes Bin O oceans. volcanic Eruption : A Volcanic emption espectally me that involves the collection a volear eruption, cem ikand or on underworter create diplace water wanes. and 3. Landslides: Landslides, expectacy under-venter, generating wanes. can also diplace wenter



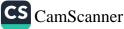
Examples of Recent Trunamis: When the first of the 1. 2011 Japan Tsunami: Triggered by a massive cartinguake (magnitude () 9.1) Off the coast Japan, this O trunami devasated coastal equins of Japan causing oner 15000 dentes and destimation of the country's infrastructure. 2. 2018 Indonesia Trananci: Triggened by an undersea cantegnative and a voleaned eruption, itis tounanis hit the coast of Indonesia remeting in more wan yooo deaths. 6. Discuss Environmentel Pollution? Its havingue effects Give feur measures to curb it. Environmental pollution meters to the introduction hampel substances into the naturel Denrivonment of earth, which as a negatite causes notices adverse effects on Riving oneanisms ecosystem and natural resources. It I takes meny gi-polintin, venter polinoin. forms including and soil pollution. · hand all in a half of 1. Air Polention: the release of tampe some some mantes dioride (Co, nitrogen orides (NOx) say and myer dioride (Soz) into the atmosphere is mainly caused by industrial actinities This vehide emmissions, deparetation, and surning formit fiels.



A Branche M. Water Pollution: : STORAN MERSI water bodies Containination (hours, vivers, oceans) by norman chemicals, portropen or warte. Common sources include industrial dischange agricultural runoff, servage and oil 3. Soil Poelntim: he defradation of Soik quality due to The toxic Chemicals nearry metals industrial waste. This Paperto aprialtme plane life, and aring gnina Harmful Effects With Early 🖉 Royal is Climate Change: pollutants such as Caribon drickide and methan contribute to global rearring leading to climate change chij more extreme werthal nomet of in rising see level, and loo of Los diversity ~) Depletin of Alatinal Resources: Dollati t to the deplection of such as clean wonder natime regounes lead vonter me entile soil Æ life on mecessary for Measures to Curb it: i) Promote Renewable Energy Transitioning



fossil fuels to remembere energy grouvies like golan wind and hydroelectric O powen reduces and mitigates Climate change. pollntin > Public Aneareness and Edward M: Educating the public about the courses and effects of behaviour pountion can incourage nepponoisle behaviour can and community drivent environmental protation efforts. () What is wireless Communication? Brigh explain the working of a sateleite · Wireless Communication refers to the transmission information between two Or more devices physical wines or caples I without the upe of (waves mel 20 radio It relies a electromagnetic vonnes microwanes and intraned wanes to carry signals one drittonices. Wineless con Wineless communication applications, in chudin Jused in various 1 blutooth mobile phones radio cesting. Working of satellite A solelite re 9 object placed in oubit availed the Earth. It acts as a velay station to transmit and for having purposes, include signals receive 4PS forcaltin realtier communication (Here I is how it negeonal . and svient fir wones . A. Cash Javas a and a day



i, Launch and Orbit: A salellite is launched into voulet and place and placed into a space using a specific (orl 27 Transmiting Signels: fromd stabin on radio or missoware lends signals meh eart satellite. These signal S hignals to videol Contan data andio types F ") Global comme : the ougit Derndin satellites can coner partiel Jeg aneas, enabling communication Jeg vert distances even in remote or rural regims. . Explain and draw the structure of Sun? The sun is a steel stor at the of our Cen system, and its structure can Se into sevenal layers. divided () a interation i. Core: The core is the sum's innermost of nuclear and is the site longer fusion. The temperature in the around 15 million oc. cone is r. Radio active Konz: The Rayer surrounding the Core is the adio active tone. 1 Ener produce in the core is transferred outward radiation in this hone.



3. Convective Zone: Tone the Above retive the . convective zone transports through convection. to sphere: the photo so visible the one is Richt, which ron the is emited, 5. Chromo sphere: the is ene shoto sp Abr mogphene thin a vis eddish Corona G, 844 the me Jern lo is which 9 is. Corona th. plasm hot 0 Diagram Sur of Photo sp Conneibine Coron Kne Chromogphere Alla ..



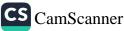
enter and the states and and 2 NO 5 Di-farentiate between prokarystic and ۱. Cukanyiti cells? Enkaryotic Cell Prokanyotic Cells · Feature itas a true e nucleus No true mileus; · Nucleans with a membrane -Jevelic maderial bound suctine is not enclosed containing genetic maling in a membrane Unicellular or · Ceil type Unicellular plants arings fungi and protists (R.C. barteric and anghes >. Have membrane. · Organells lack membrane -3 bound ore melles bound organelle (e.g. mitochondria Ceg no Omito_ Golgi apparatus) () chondrie or endo plasmic etimlum · DNA structure. Cinlan, Jocated · Cinear loaped in in the nucleused The nuclears Aservice reproduction Reproduction Aseanal and sexual reproduction binary fission) mitosis and meosis Ribosomes Smalle (705) Larger (Roc)



b. What is global warming? Explain kysto protocol? · Global warming long-term increase in Earth's repers to the average surface temperature due to human activities due to human activities, primanicy primarie The release of greenhouse gases sur (as canno dioxide methome and nitrons le into the atmosphere. These gases oride trap heat from the sum causing a enonge effort that leads to 2 vise i I in Jusial temperatures. hearing · Causes of Glosal Burning of fossil , il ind Defourtation !!! · pl. 101.1 1 4 1 · Arintral Activities. 1 31 11 · Industrial Activities. feits of Goodal Warming: . Ef VIIIIII I 1 1. 1. 1. 11-11.5 Kirring ser level 1 frequent and Intense weather events. · Lon of brodiversity Impart on ecopythem and and the



· Kyoto - Protocol The Kysto protocol is gimed at international brinding medity reducing green I house gas emissions and global I warming. It was adopted in kyobo, Japan, global compating () effect in 2005. The protocol stresses basi cally 2005. he profocal stresses upon developed nations to reduce the gazes. their emission of greenhouse c. Write a detailed note on GIS? · Geographic Information System Gis is a technology used to collect analyze manage and dipplay spatial or geographic data. It integrates hardneane of software and dute to help users understand patterns, relationships, and trends in a graphical Catect GIS across arrions fixeds context! GIS is uped egraphical . including Urban planning, environmental inanagement & transportation of agriculture, and 1 disapper <u>}____</u> mangenent. 1.11 · Functions of GIS: spatial and attilante data from i- Data Input and collection: 1915 collects GPS derice, saulite imagery, aerial snineys and fixed data.



2. Data strage: GIS Stoney mic data using in a structured, format that collain data bayes or file and nonboth spatial (location) information. Spatial 1 (attributes) describe antioxidants d. Briefly propert molenles that help gne Antioxidants deniage cauld the body von molalles O unstable wee. Contrigute cells m nel that com me ing lammadin to includin diseases vorith development heant disease candy Antiox' dants 07 Sources Nigetar Fruits and . and seeds Nuts and Spices Her bs Teg . Green Antionidants benefits Hearth ۵ Chronic disease Protection goving 1 Anti- aging immune funtion. Improved (

