Section IF Keep length equal for a  $Q_2$ Write a mote on balanced diet answers Paper presentation is fin Parta Balanced Diet: Enough length Enough headings ee Balanced diet is a diet whic Fine diagrams Contains right amount of nutrients for proper growth, development and normal functioning of the body? Components of a Balanced Diet . 1. Carbondrates (anochydrates are the main source of energy to the body These are necessary for mental performance and functioning of vital organs i-e brain , Kidnep heart etc. DUNCE Wheat
Oats
Speetfruit troteins 2. Proteins are also a source of energy esential for muscle building tissue buildings heating process Sources

o Mak · Eggs · Meat (11) 3. tats Necessary for the transport of fat soluble vitamins i -e Vitamin A, D, E, K. Fats are also essential for the insulation of vital organs of the body OMAR ofish onuts 4. Minerals a. Calcium: vital for strengthening of bones and blood clotting of is found in dates, spinach, avocado b. Zinc. Essential for healthy nerves working, growth hormones and maintenance of body It is found in dairy products, grand c. Pottasium 2. Pottasium Essential for mustles, for the regulation of food balance in the body. Ot is found in Orages, pears, apple etc. do ron. i It is essential for blood and healthy

nerve functioning. It is found in Spinach, Redmeat, fish and eggs etc. 5- Vitamins. Vitamins ave organic compounds essential for normal growth, reproduction and working of the body Vita · Vitamins Mater Soluble Fat Soluble. Vitamin B-complex . (AgDo E,K) Vitamin C. onclusion. Balanced diet is a diet that contains the right amount of casbohydrates, proteins, fats, minerals and vitaming for healthy functioning of human body. The requirement of these nutrients may vary from person to person ...

art B Solid Waste Management. (6) 11 er Solid waste management is a supervised handling of waste from its generation pants (collection) through the recovery process upto the disposal ?? Classification of Solid Waste on the basis of its Composition 1. Biodegradable Waste Ot includes fourdouaste, coops, organic waste etc. 2. Recyleable waste maules plastics, bottles, cans, metals etc. 3. Inerturaste It includes construction waste, debris, rocks etc 4. E-waste of Includes computers daptops, computers dc. Approaches to Handle Solid Waste Management .

Collection 2 Recovery Methods -Disposal 3 ollection Stage . Collection stage is the most expensive part of waste management system but in the presence of effective waste management system it an help reduce cliseoses and envisonmental damage. Pre Requisities for collection stage are : 1. Collection staff 2. Proper workforce management 3. Collection Vehicles . Kecovery Stage. Transfer stations are a prerequisite for recovery stage It is a centralized facility which is prefamably present somewhere in the middle of the city. Within 3-4 hours the waste is to be recollected. It is not the permanent destination.

Isposal Stage. 10 dispose off the waste there are techniques available like a. Open dumping Open deposition in surrounding cities. It is unsafe, unhealthy and unsplaimable Kio Declaration on Surronment and development Principle 1 holds that " Open aumping must be discouraged " It must be away from residential areas, agricultural lands b. Composting Compositing is controlled biologicat degradation of waste As a result of composting "compost" is ormed. c. Incineration of is about burning of waste by using "heinerators. d. Landfill system It is a method of busying of waste Partd. CPEC is a flagship project of Belt and Road mitiative. It was launched in 2015 by President XI Imping during his visit to Islamabad. It is a composed of construction of roads,

railways, highways etc. Energy and transport infrastructure are major components of CPEC. CPEC connectivity: linking Kashqar Kashqar (china) to Gwadar (Baladistan) Guadan Renewable Energy Sources Under CPEC. The three Renewable energy projects under CPEC are. 1. Hydro projects 2. Wind projects 3. Solar projects 1. Hydropower Projects a. Sukki Kinari, Ot & 833MW. b. Karot. 1100 MW project. It is under construction c. Kohala. 730 MW project It is operational.

d. Pr Mehal . e. Azad Patan Alna rojects 3000 MW of wind projects are tounched under CPEC. They are mostly on coastal bet of Sindh and Balochistan. solar Projects Around 2500MW based solar projects, are launched under CPEC. Among these include. 1) Quaide Azam Solar Power plant (Bahawalpur) on Clusion To Conclude, CrEC has a great potential for Pakistan to shift from fossil fuel to renewable sources. The taunch of these solar, wind and hydel projects is a testament to this fact. a. Discuss Key features of COP-28 held & UAE. (OP-28 Parently the COP-28 took place in dubai , UAE with representatives of 1911 countries presenting their initiatives to curb Global Warming and engaging in ascussion on future climate actions.

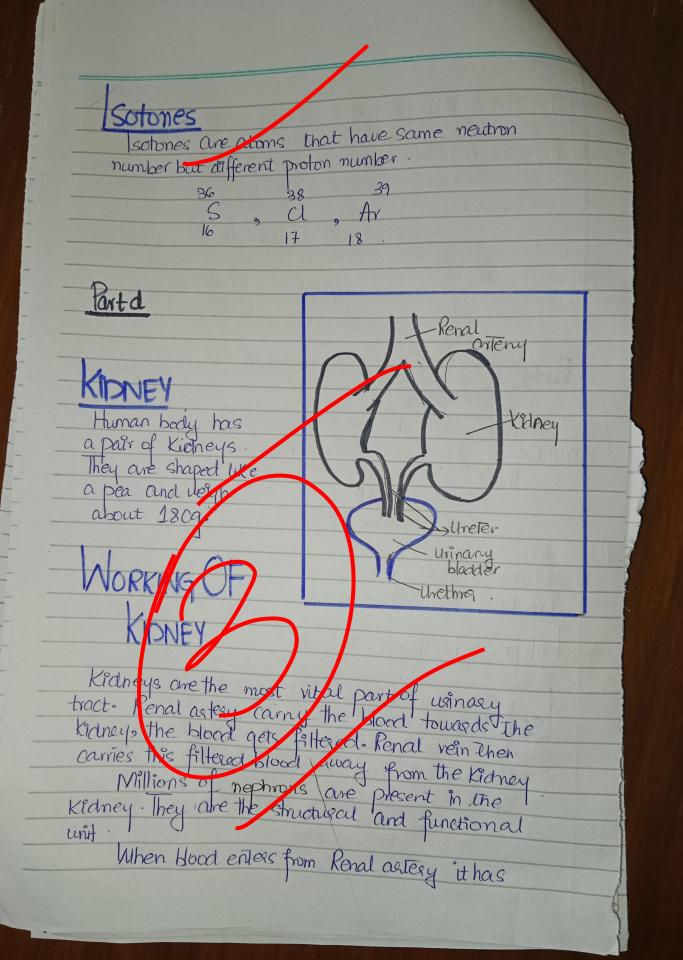
Conference yielded a mix of results with some hailing it as a conclusion of fossil fuel exa while others have apprehensions about deficiencies in adaptation efforts and koubling gaps in mutigation strategies 1. Loss and Damage fund COP-28 member countries reached an agreement. operationalise the loss and damage fund aimed at compensating countries grappling with Climate Change Inpecies o World Bank Will be the interim brest of the fund or 4 years a All developing countries are eligible to apply and every country is invited to contribute voluntarily \$10M(Tapan \$100M \$145M UAE & Germany each ELL UK \$1705M \$50M US

(But a) Black Holes er A black hole is a region in space where gravitational pull is so strong that nothing can excape from it. It is a cosmic body in the centre of almost every galaxy, including the milky way galaxy in our solar system Example Saggiturius A\* is a supermassive blackhole. In the centre of multy way galaxy. tormation of Black Hole Blackholes are one of the most fascinating and enigmatic objects. The heart of a black hole is singulasity Sustaining the singularity there is an event horizon, which masks the boundary beyond which nothing can escape the black hole's pull Black holes are formed when a massive star collapses. This is because of the stars own gravity after it has exhausted its nuclear fuel. The star can no longer hold its own weight and collapses - resultantly a black hole is formed

(Partb) Discuss different parts of an eye. Aqueous Humor retina optic goods lens vitreous humor Eye is a sensory organ which is mainly responsible to provide sensory information. It provides information in the form of visuals. It is an organ that helps us to See Lornea Outermost bargement layer which interacts with light first. It is for bendure of light waves. ris his is a pigmented mascle which controls the movement of pupil . Pupil is small have from where Eight enters eye ens : Reception of lightwaves. For the focusing

of lightwaves onto the retina. Ketina The most sensitive layer of eye. Of is the innermost layer. Retina contains a- Pons b. Rods Dic Nerve It is used to transmit I mage towards the brain Sclera Sciera is the outermost layer at the bockside of eye. It protects the internal content of eye. horoid Mesent benath Sciera. Thick and reddish layer. Responsible for nousishment of eye. IDIOY Eluis filled part present on the frontal side of an eye. Involved in providing nutrients and gases

artc sotopes sotopoes are elements that Contain same number of protons but cufferent number of mentions. There are two types of sotopes as Stuble Kotopes b. Radiactive jectopes Stable isotopes can azist in free state without breaking downinstantaneously. Isotopes of hudrogen H Protium) (deutium) (tritium) Isobars are elements that have same number of nucleons i-e the sum of potons and neutrons. 40 40 S a Cl 16 17 Ar



to be redistributed for filteration Afferent Arteside carries Hood to the nephrons. afferent astesiole Glomeralus -- Baoman's capsule Pretibular cappilaries distalconvulated oximal Convulated tibule Thenle Glomerulus: fittration of blood takes place The doments contains a cluster of capillaries in it The capularies are small gough to diffuse excessive waste, sauts and other minerals. Proximal and distal onvulated tibule; loop of hence The filtrate will more downward in proximal convulated table The reabsorption of water satis and minerals take place in distal convulated tibule and loop of henle. The fillered Hood moves dut of kidney.

SECTIONI Manof 10,30, Y and 50 1550. Find Y Q6 (i) Mean = Sum of values totalvalues Putting authe values we get 50 = 10 + 30 + Y + 50By cross muttiplication 50x4 = 10 + 30 + 4 + 50200 = 90 + 4Or Y+90 = 20 Y = 201 -90 ii) the years ago age of father was thrice the age of son. If son is says old now what is the current age of father Resent age of son = 30yrs. let age of father = y.

\_1\_\_\_\_1202 let 5 years ago their ages are Age of son = 30-5= 352 Age of faither = 3(26)= 75 Present age of father Age of father Byeans ago = 75 Present age of Elither = 75+5 - 80 Ø 1+3 C + Find missing team (1) 2,6,18,54 All of these numbers are obtained by multiplying each number by 3 2×3 -6 6x3 = 12 $18 \times 3 = 54$ hence Will team the next be 267 X3-

1\_\_\_\_ 1202 attend the number of triangles. Day:\_ K. 0 There are 15 triangles In this diagram t 60000 1 1 1 = 1

Day:\_ 1\_\_\_\_\_1202 A pizza slické is divide into 8 slices (Ir) total pizza slices = 8 Perza slices with valsins = Robability = of ways of occusion ce possible outcome Robability 8 D