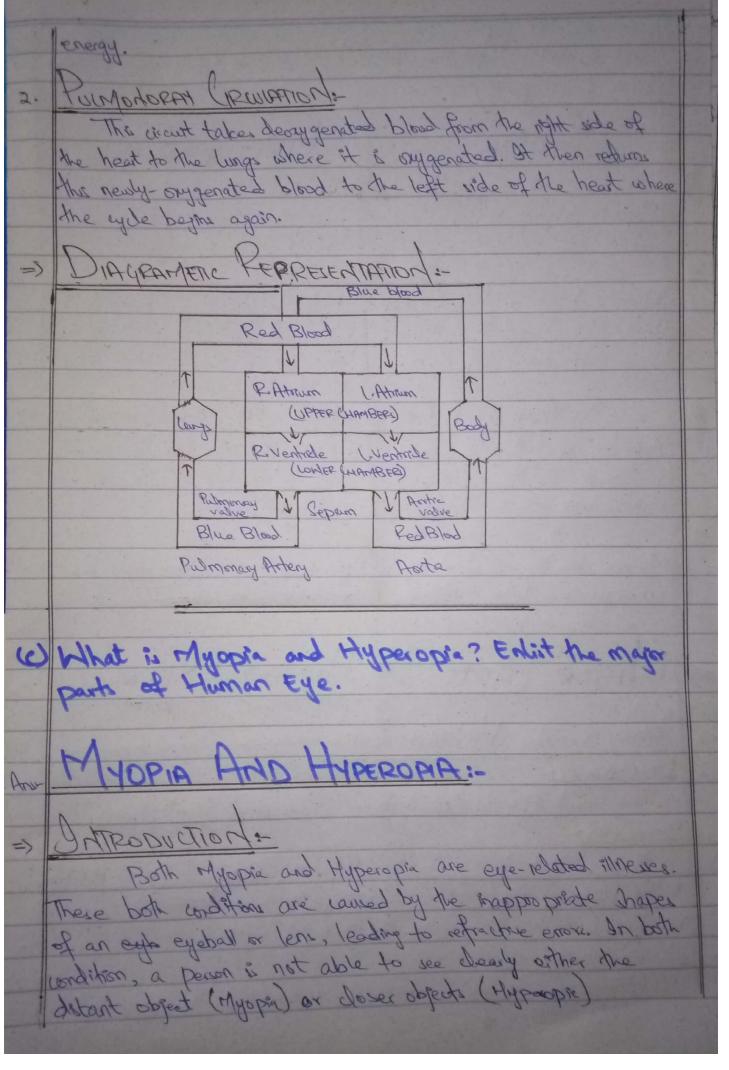
A FINAL , FEBRUARY MOCKS , 2024) SUBMITTED BY: - 31154- Momens formed -OSE I-hoidas QUESTION NO#4: (9) What are the method employed in Sdid Wate Management? MAMAGEMENT: DA SOUD WASTE INTRODUCTION - TO SOUD WASTE MANAGENENT: DEFINIMING SOUD WASTE: Solid waite could be defined as: "Sold waste means any garbage, refuse, sludge from a westewater treatment plant, water supply treatment Plant, or air pollution arrival facility and other discarded materials, mobility solid, liquid, semi-solid, or contained gaseaus mortarial resulting from molustral, commercial mining, and agricultural operations, and foun community activities. - United States & Environmental Katadian Agency So, from above definition it is conducted that solid waste & that part which would not be filtered out or get ridder off through traditional purification methods of air or water. So, for such kind of waste, there should be separate method to filter out important substances and to remove the weeks.

Buch phenomenon is known as Colid Waste Management. DEFINING SOUD MARTE MANAGEMEDIT. " Solid wate management is the collection, transportation, and deposed or recycling of write material gathered by human activities, in ways that protect public health and the environment - United States Environmedal Protection Agency Solid write management would not only manage the write deposal but will also extract exertial nutrients or recycling materials. => METHODS OF SOUD MASTE MANAGEMENT: Different methods are employed for solid waste management. Each country employ different methods according to their own capacity. Here , we will discuss the methods employed by Pakatan: 1. MARTE COLLECTION AND TRANSPORT: Solid waster are of different types, one of these t including hospital and municipal wastes. So for such linds of waste, Pakitan has proper waste collection and transport system. They collect waste from howehold colonies and hospitals and thansport it to treatment centers. The drowback a that the faility is present only in whan areas of Paliston. ale LANDFILLING - ONE OF THE OWEST METHOD: 2. landfilling is one of the oldest method used in Polisian. In this method, which water are buried under the soil to protect the environment from their harmful effects. Moreover, the organic compounds in these waster could be utilized by Plant roots and bricteria under the soil. But this technique is als used only in usban area and many landfill designs and management does not next environments standard.

3. Composting OF ORGANIC MASTES-The most important method employed in Pakistan for soled wate management is the comparing of organic waste. Compating & the controlled, aerobic poces that converts organic materials into a nutrient rich, biologically stable soil amendment or mulch though natural decomposition. Therefore, it is very important to extract the best out of waste. But, this method is proactive in only some areas of Pakitan and mot widespreadly employed Moreover, the organic wasterend up in landfills that contributes in à greenhouse gas emissions. 4. HASTE-TO-EMERGY (INTE) - A MODERN TECHNIQUE: For the modern problem, a modern solution is to turn the waste into energy. This technique is not yet completely adopted in Pakistan, but Pakistan should work on this because the is a highly efficient technique. For example, Denmark, has over 60%, of their municipal waste is processed in WITE facilities. (oncusion: As the discussed above that solid waste is any solid from of wate extracted from different sources. There are many hamful effects of solid moste; therefore, it should be marged properly. For solled waste management, Patritan employ various techniques, including collection and transport, landfilling, composting of organic waste and weste-to-energy. Each technique employed in Patritan had certain drawbacks but Patritan should focus on them. After several reforms, those techniques would be enough to remove or manage soled waste in country.

(b) How does a human heart work in blood circulation ANN BLOOD CIRCUATION: => INTRODUCTION: Blood chalation is the important chalation of chalatory explem of human body. It own though out the human life and transport blood from cells to heart and then heart to cells. The blood contain blood cells, flyid (plains), nutrients and the most important, orgozygen. With circulation of blood, oxygen i also circulated through which it is provided to the call for reepitation. -> Components OF BLOOD CROWLATION:-The major components of blood circulation are heart, affres, veins, and capillaries. Heart is the main pumping organ, arties transfer blood from heart to human colle, vering bring blood back from cells to heart, and capillaries are small tabales that provide efficient blood travel the thy spaces between cells.

> HUMAN HEART: DEFINITIONS-Human heart is a fit-sized, mouralor organ that pumps blood throughout the bady. STRUCTURE OF HUMAN HEART: The human heart has four chambers. The upper two chamber, the right and left atria, are receiving chamber for blood. The heart's lower two chambers, the right and left ventricles, are the poverful pumping chamber. Moreover, there is a wall of time that reporate the right and left side of heart called septum. Furthermore, there are also four values within the heart that prevent the blood from flowing backward in the heart. => ROLE OF HUMAN HEART DN BLOOD CIRWIATION:-The circulation of blood through heart can be divided into two creats for understanding purpose. In each circuit, the Glood returns to the heart. These two chaits are: 1. SYSTEMIC VECULATION: This creat takes ongenated blood from the left side of the heart to the body. When the blood returns to the right side of the heart, it is deary geneted, as the oxygen has been mostly used by the musdes and organs in order to make



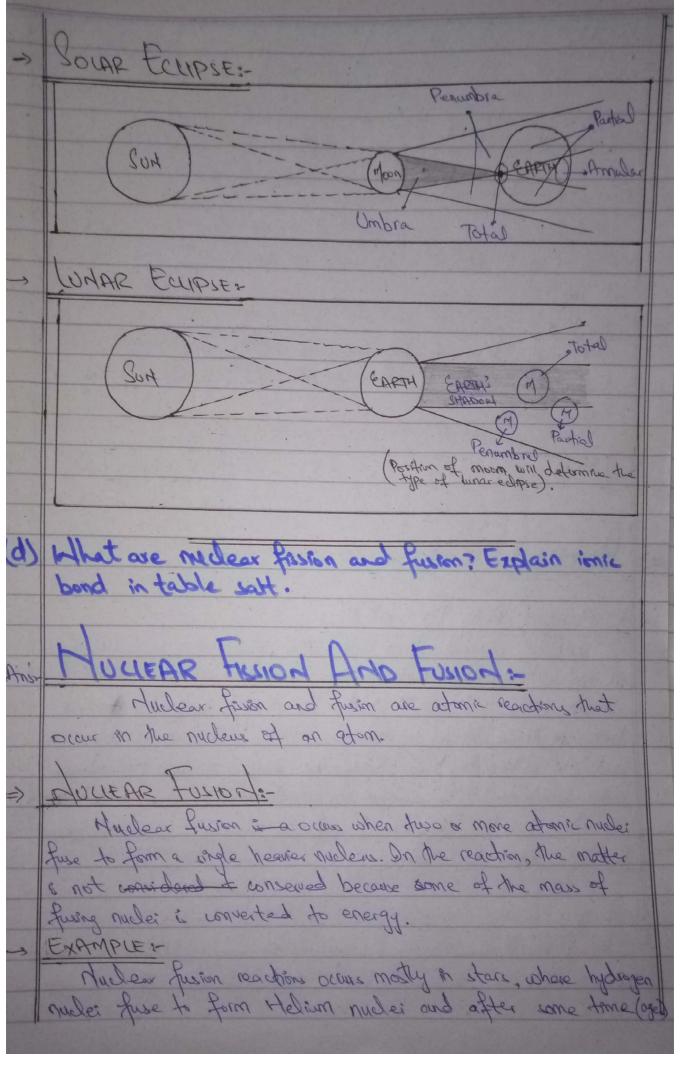
Myopra is also known as Hyperapra is also known as that Eightedness. Have a large sightedness when the eye Hyperapra happens when eye balls get abortened or there is larger convergence of eyes. I lever univergence of light by the eyes.  Sight OF A PERSON SHEARD WITH THOSE SUNFSHIPS a able to see close or nearly. Is able to see faceway objects as objects but not the faceway. Not the near ones.  How THEY Coup Be Corrected by Hyperapra can be corrected by compare can be corrected by the peace in glaves.  MATIOR PARTS OF HUMAN EYE:  ENIMOLOGY:-  The word Eye is derived from Greek word "Opthalamor."	EXPLANTING MYOPA AND HAPPROPA COLLECTIVE OF THE		
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Myopia can be corrected by Hyperopia can be corrected by convex lens in glasses.  MATIOR PARTS OF HUMAN EYE:  MATIOR PARTS OF HUMAN EYE:  MATIOR PARTS OF HUMAN EYE:  ETHMOUGH:  The word Eye is dormal from Greek word "Opthalamor."	9		
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The word Eye & dornal from Greek word "Opthalamor."	Enmowers-		
	The word Eye & derived from Greek word "Opthalamor."		
DISCOVER-12-			
It was first described by a Muslim scientist "Ibn al-Harhan"			
In his book "Ktab al-Manazir," later, it was discovered complety			
by Kepler in his discovery of the path of light			
DEFINITIONS  Human eye would be defined as one of the sense organs!			

on human body that reacts to light and helps on seeing dejection => MAJOR PARTS OF HUMAN EYES The major parts of human eye could be entitled by disability them with two categories: Front part and the back part. Human Eye Front Part Back Pout - The Comea - Vitreaus body . The Papil - Retina . The Schera - Macula -The Conjunction - Optic Neve QUESTION # 5 :-(9) What are the different methods of food preservation? ANT FOOD PRESERVATION: = Intropultion: Food preservation is an effort to prevent food from spoilage and to keep the natural and fresh contents alive. -> ETYMOLOGY @ AAD DEFINITION OF FOOD: Food is derived from Old English foods plus English fodder. Food could be defined as any nutritions substance that people or armals eat or dink or that plants about in order to maintain life and growth. So, awarding to definition of food, it is important to present

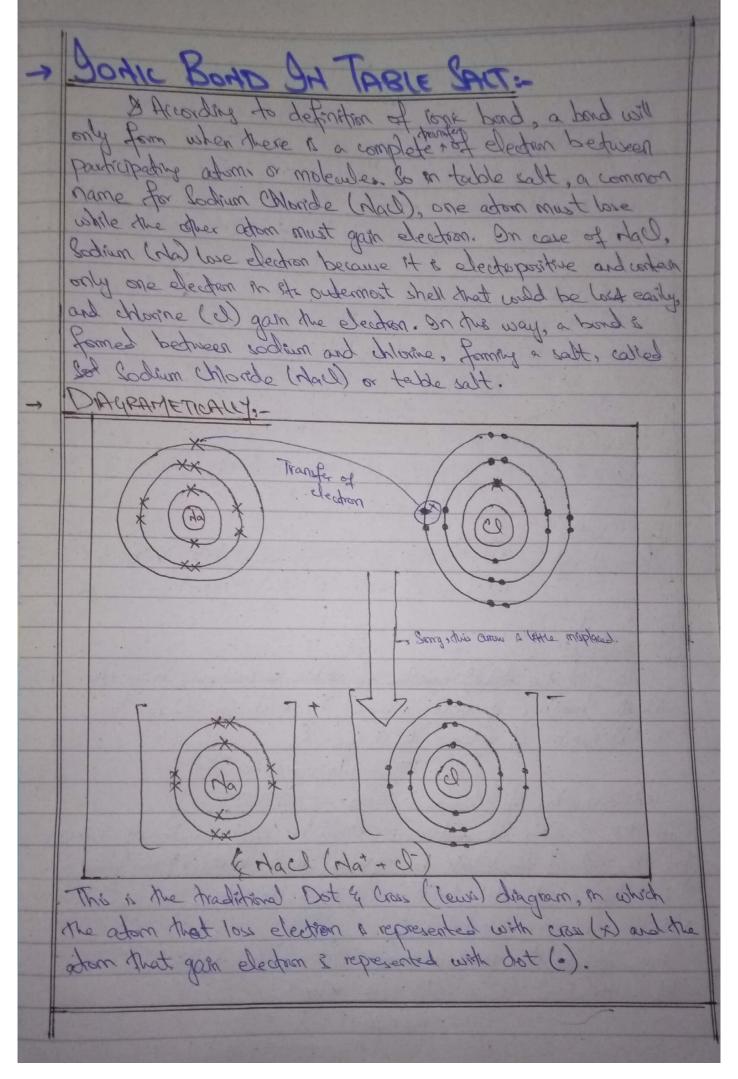
food to keep its nutritional value alive. ETMORALY AND DEFINITION OF FOOD PRESERVATION !-DEFINITION: Presentation is the activity or proces of keeping something valued late latin Preservare alue, mtact, or free from damage Medieval latin Presentation or decay. After defining food and preservation separately, we will now define Old French + English
Presence food preservation. Cate Meddle English DEFINING FOOD PRESERVATIONS: Preservation Food preservation is any of a number of methods by ushich food is kept from sprilage after harvest or slaughter. MHAT AM EFFECTIVE PRESERVATION LOOKS LIKE? An effective preservation must diminate or minimize all of the factors in food that cause its detentration. These factors include gowth and addities of microgramma enzymes; infestation by meet; mappropriate temperature, light, time and other physical stess or abuse. > METHODS OF FOOD PRESERVATION: There are different methods of food prevenation, both olde and modern methods are employed in different countries. Among the old methods are jolying, refrigeration, and fermentation. Modern methode grounde conning, Parteursation, freezing, madration, and the addition of exemical. Following are some of the methods of food presentation:

1. HEATING THE FOOD TO KIN SHEETIOUS AGENTS: repolice Most bacteria, geasts, and modde grow best in their temperature range. Therefore, in order to get red of these agents that can deterinate the food food must be heated at certain temperature to kell them out. 2. COOLING THE FOOD- AMOTHER MAY TO KIN SHEETIOUS AGAIN As drawed above that different infections again winne In their respective temperature range. So those greats that could not be billed though heating, cooling would tell them. For example, certain bacteria col could be killed in temperature. 3 DRYING THE FOOD BY REMOVING EXCENT WATERS blater is an exertial medium for the growth of mendes So, the foods that are not in water will spoil easily. therefore, to prevent food from sportage, excess water on food should be removed through drying to prevent the growth of 4. PUTTING AM HOD IN THE FOOD: with proper temperature and weter, manabes also require paper pt for their growth. Many misober grow in ken andic environment. So, to prevent food from spoilage, and could be used to stop the growth of microbes. 5. CHEMICALS AND RADIATIONS CAN ALSO FILL MICROBETS-Certain chemicals such as sodium benzate, sorbie and, is been fir, isdorin Mid no standing on proposal miles and an inches presented levels the food. Mureover, witain rediction such as X-Rays, Miramus, and Withauidet light rays can also inactivate mire bes. These chemicals and realisting should be used at appropriate level to prevent foodificaning danger to humans.

0	y Distinguish Solar and Lunar edipses.			
	0 -			
	SOIAR ECUPSE	LUMAR CUIPLE		
4)	DEFINING BOTH EURIES:			
	Solar eclipse à a type at eclipse	· A lunar eclipse & a type of		
-	ocumento mon comer between	ealipse that occur when Earth		
4916	Earth and Sun and its shadow	comes between moon and the sun		
	obscure The face of the Earth	and the shadow obscure the		
-	from The light of sun.	Wear		
2)	HOLL OFTEN THEY DUNK?			
	Solar eclipse ocurs approximately	lunar eclipse occurs only when		
	werd to would the of ways	moon is full. At least two partial		
	occur at time of new moon.	lunar edipre happen every year,		
100		but total lunar ellere, are mo		
3)	Solar eclipse only lasts for lunar eclipse usually lasts for few hours.  Types OF ROTH MONEY.			
1363	Solar eclipse only lasts for	lunar ealipse usually lasts for		
"	feer minutes.	few hours.		
/	TIPE OF BOTH EMPSESS			
	There are fourtypes of solar	There are three types of lunar		
	celipse namely total solar eclipse.	eclipse vamely beautiful man		
	partial solar celipse, annular	eclipie, partial lurar edipse, and		
	salar eclipse and hybrid solar	total lunar eclipse.		
	eclipse.			
2)	RECENT EVENTS:			
	The amular solar eclipse, also	The partial lurar edipse was		
	alled the my of fires, was	observed in Islamabado Pabaten,		
	observed on October 14, 2023.	on October 28-29, 2023.		
		A D D .		
>	DIAGRAMETIC REPRESENTATION OF BOTH ECUPLES			
		A STATE OF THE PARTY OF THE PAR		



the Helium nule: started to fuse together to from higher/ longer nuclei. The ideal general reaction for nulear fusion: it+it -> 2 He + in + Energy. > HOURAR FISSION-Mulear fision is reaction that occur when the nucleus of on atom splets into two or more smaller nuclei, while releasing EXAMPLE :-Muclean fision reactions occur in highly unstable nucleus. The balanced reaction of Wianium aptithing into Barium and Kapton à gruen below: 235 U + in - > 56 Ba + 36 Kr + 3 in + Energy. => GONIC BOND :-EMMOWY AND DEFINATIONS Sonie is derived from word ion, which means an atom or molecule with a net electric charge. So, its name induste that this band will soushe be formed between those atoms or molecule, that have some charges, or that are willing to bear charges by gaining or lowing elections. Jones bond could be defined as a chemical bond formed between two atom by the complete transfer of one or more electrons from one action to another. EXAMPLESS Jone bond occur between atoms to form salt. For example, Sodium Chlorde, Sodium brinide, and Potassium fluoride etc.



CECTION-IT: QUESTION NO #6: (a) Three candidates --- who my condidate? GIVEN DATA: Votes of candidate 1, C1 = 15000 votes votes of cardidate 2, Cz = 10000 votes votes of candidate 3. (3 = 8000 votes KERWIRED DATA: Percentage of votes of wrong candidate, cu=? FORMULES-Percentage = Total votes of winning andidate x 100%.
Total no. of votes casted in elections SowTion!:-To find the total number of votes casted, we have to add the number of votes received by each candidate. So: Total number of votes = (1 + 6 + 6 15000 + 10000+ 8000 Total number of votes = 33000 As the number of votes received by each cardidate indiceter the wrong cardidate by receiving most voter of from given date the condidate I received most mo voter, so cardidate I is the winning candidate. now, freeling the percentage of winning condidate: Percentage of Cw = 15000 x/00%.

Percentage of winney cardidate = 45%. KERULT:-The percentage of winning condidate, Cu = 45%. (b) The ratios --- - each angle. Caren ratio of angles of triengle = 3: 4:5 Value of angles of triangle =? FORMULA: Value of orgle = Ravalue in ratio x Total parts Addition of ratios SOWTION:-Finding different parameters of formula: -> Addition of retion: 3+4+5=12 - Total part: In case of triangle, quarding to theorem of triangle, the addition of all angles must be equal to 180, so the total parts would be 180. Finding value of each angle: i) 3 x 180 = 5400 = 45° 12 × 180 = 720 = 60° 13 | 12 | 12 | 12 | 12 | 12° ERROR LHECKY Are awarding to Mearen of triangle, the addition of all

angles must equal to 180°, so by adding the calculated angles: 3 45 + 60 + 75 = 180. RESULT: The angles of a triangle are: 45°, 60° and 75°. W In a sport meet-- such gamping? GWEN DATA :-No of boys in each group = 4 No of gal on each group=6 Total number of garls = 102 KEQUIRED DATA: Total number of boys = ? SowTon: From the oppier date , the total number of girls available for groupings are 102 and there should be 6. girls in each group. So the total number of groups that would from will be calculated as: Total no. of groups = Total number of gab Ant No. of girls in each group Total no. of groups = 17 So, now quarding to given date, he total number of boys in each group to should be 4. So, the total number of boys will be calculated as: Total number of boys = Total groups x Nor of boys to each grown Total number of boys = 68

The number of boys required for such grouping = 68 boys. QUESTION NO #8:--- odd numbers? Condition - Three consecutive add number CEQUIRED DATA: The three consecutive odd numbers let the three consecutive add numbers be: 2n+1, 2n+3 and 2n+5. According to given data, there sum it god to 213, So: (2n+1) + (2n+3) + (2n+5) = 273 21+1+21+3+21+5=273 6n + 9 = 273 Subtracting 9 on both sides: 61+9-9=273-9 6n = 264 Durdry & b on both sides: Findly the consecutive numbers:

(i) 2n+1 = 2(44)+1 = 88+1=89 (11) 2n+3=2(U4)+1=88+3=91 (iii) gu+ 2 = 9(AA)+1 = 83+2 = 63 ERROR CHECK :-According to given data, the sum of consecutive add num bea should be 213, so adding the calculated values: 89+91+93= 213 KESULT:-The three consecutive odd numbers are 89,91, and 93. b) Find the mining number in given series. 1) 4,16, 36, 64, ?, 144 Southon 2 af even jumbers This is the perfect square series? (2)=4, (4)=16, (6)= 36, (8)=64, 30 the square of 10=> (10)=100, and (12)=144 PESULT:The missing number is 100. 11) 30, 29, 27, ?, 20, 15. SouTron :-This series is the sequential removal of natural numbers: a) 30+=29 b) 29-2=27 c) 27-3=24 d) 24-4=20 , e) 20-5=15 RESULT: The mosky number is 24. Hi) 1, 7, 15, 25, 7, 51 Courtland 2-This series is the sequential addition of even number, starting from 6:

a) 1+6=7 b) 7+8=15 c) 15+10=25 b) 25+12=37 e) 37+14 = 51 MISSING NUMBER:-The missing number to 37 iv) 0,2,6,12, 20,30,? SouTron/2-The series is the sequential addition of even numbers: a) 0+2=2 b) 2+4=6 c) 6+6=12 d) 12+8=20 e) 20+10 = 30 (f) 30+12=42 WINING YOURES :-The missing number is 42. v) 48, 24, 72, 35, 108, ?. SowTron! -This is a geometric series, meeting the following the andition x=2=4, 4x3=z. So: a) 48 ÷ 2 = 24. b) 24 x3 = 72 c) 72 ÷ 2 = 35 d) 38 x 3 = 108 e) 108 ÷ 2 = 54 MISSING NUMBER-The mesing number is 54. (c) Find out the correct word. JUMBUED HORD appet Word SHIRT THRSI GADREA DANGER 2) STOMACH SCHAMOT 3) roupou. OUNTHO 4) HIODAL HOLIDAY