

eclipse that are the following is Total lunar eclipse Completely in umbra Shadow region. 80, the moon appears dan this is called the total lunar eclipse. ii) Partial lunar eclipse moon is between the limbra Shadow Jegun and Penumbro Shadow region so, it approvs particuly dan auch factual lunar oclipse. iii) Penumbral lunar eclipse moon is completely in the Penumberal Shadow region It may or may not appear dance but mostly clear appear.

(D) Earthquake and volcanic exuption interconnected Because of heat a megma under the earth burst and the tectoric plates diagonally or another way vibrate a huge Partiquaire Plate: 9444 1 1 1 1 200 7 rangels. Natural Cause: - Heatwares, Convections + megma burst. Anthropogenic couse - Heavy arilling - Bombing experiement

Effects - landlass Infrastructure damage Solutions Dublic awareness Early warning bystem Collaboration Volcanos o- There are the mainly two ways of volcance exception 1) Slove Stilactive is) Dorment Effects - landstide - Pollution + Health problem. Ves the earthquake and volcanic exultions are interconnected because in volcanic exeption the same way of lava and magma burst that Vibrate the 7 sanger of places.

2 D	ay:
	Q3(c)
	Electromegnatic radiation
	Mose which bard and
	having ranges gom nanometer
	to micrometer and having
	high length and frequency
	There are many types
	of electromegnatic radiations
	Types
	x-rays:
	Having high focquency
	and shorter wavelingth from
	o oimm to nanometer. hole are
	also known as a-rays.
	B- Vays: These also having
	hight sesolving power and
	also penetration power.
	Gamma Vays: These are also

frequency and also high resolving and fonetration than EMR Spectrum Visible Specioum Electromegnatic rays having Visible spectrum including ingraved, microwaves and all other rays. [760nm] Q3 (b) trzyme ? Enzyme are those chemical that help in metabolic and also used as energy ousourus It

Functions of Enzyme There are many functions of enzyme. - It helps in the metabolism - It catalyses the chemical deactions - It helps in the ocactions to increase the rate of reactions. txample:-The best gample of ensymetic ocaction is the Fermentation of Yeast Do which they contain lactic acid and to Convert in Yogust. Yeast Formentation Yogut. Pencium was also produced by the enzyme.

Allestion No.4 Noise Pollution A type of pollution that damage the environmental clear listening ability and that harmfull for screature and advisse impacts on all the Forguency of noise increased from level that is suitable for human and ocate disturbance called noise pollution. Causes of Production Noise Bulution is mostly produced for: > Daily routine machinery in agriculture Such as Tractor, turbines etc. > Produced from Transport of routine



3	Day:
	> Electricity generation Project
	Clare of good
	> Storms
	Harmful effects, there are
	many hamful effects of
	noise pollution
	-> Headache
	- Insompia
	Bone Pain
	-> Blur Vision
	- Listening Capacity affected
	warks to curb
	-> Public awadeness
	> minimum use of transport
	-) mommon was a stacker
	minimum use of electric
	appliance and Switch off
	when there is no used
	- Prefer to use the Electric
	Vehides.
	V C/ (A.C.C.)
	Property of the second

Day: (18/c) Water quality. The quality Of water that is suitable to drine for all and specially for human beings. water cycle: The water cycle is the evaporation that evaporate the water and Condensed into doplet or gaseous form into incomeration and Preipitation. Sludge Processo. In the Sludge prouss water filtered by the Studge that contain yours and stones that hurdle and Capture dirty things Contained water! Futeration . In futeration different perspective used

Chlorine used: In water Kill the bactera. water quality and standard i- It must be in Pure form. ii- Do not directly filtered but fittined by Procedure iii- & must be sautless. iv- without bacterial infection which means biologically V. must be Chemical good Cheoronated Si- Physically good, do not adour contain

(14(6) Importance of fibre in diet . The importance of fibre in diet is very eacessively In det fibre contain metre meat and egg with wheat I helps in fat and fat golluble Production. It provide the energy to body to balanced food quantity in the body. Food Considered balanced a platter of food considered as balanced because It balanced the diet and over me chance of food mainutrition and malnourished Chances It import Nat, 100 and Pa in the body with food

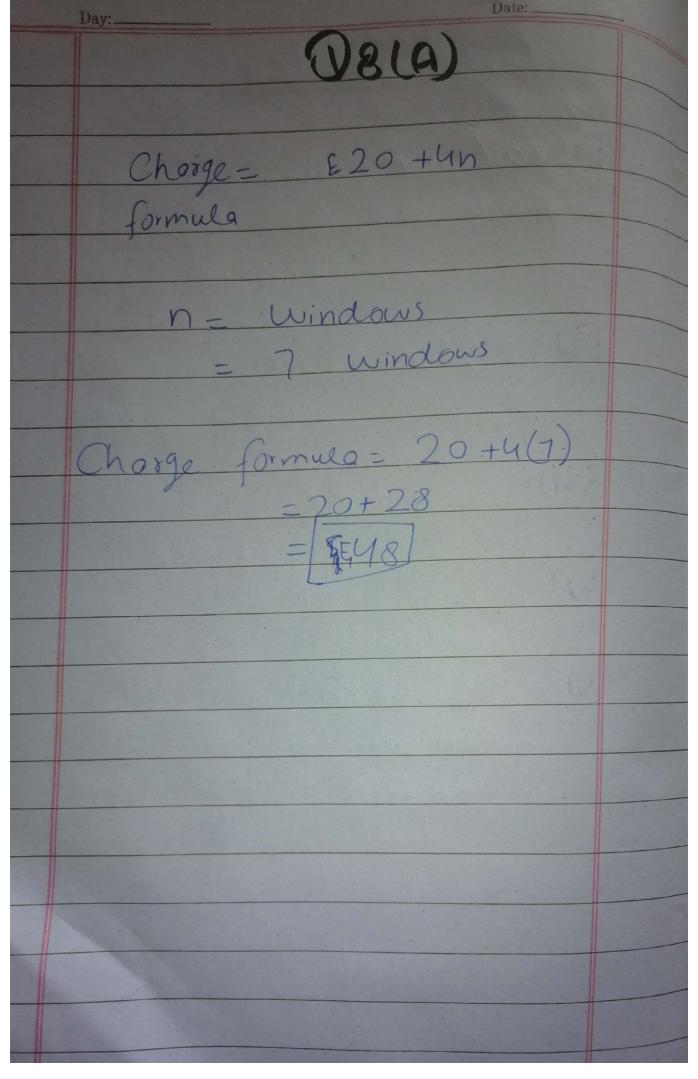
(14(D)_ Lithosphen o-Lithosphire is a sphere that contain core, mentle and rocks with minerals. Trust Crust Sail, Horizon O, A, B. 0-70km - 5-7km Mantle : Almost midale Part apper mantle Zone 721cm - 400 Lower mande Zone - 670 - 2000 core Outer Core - nickle - 110 pelley Innex core Solid Dron in spring movement.

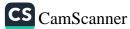
Rocks of The hardest part south that can be brittle or not and sold at room temperature such as stones, sand etc. Minerals: - underground desources and reservor available for human beings such as Coal, sil and gas.



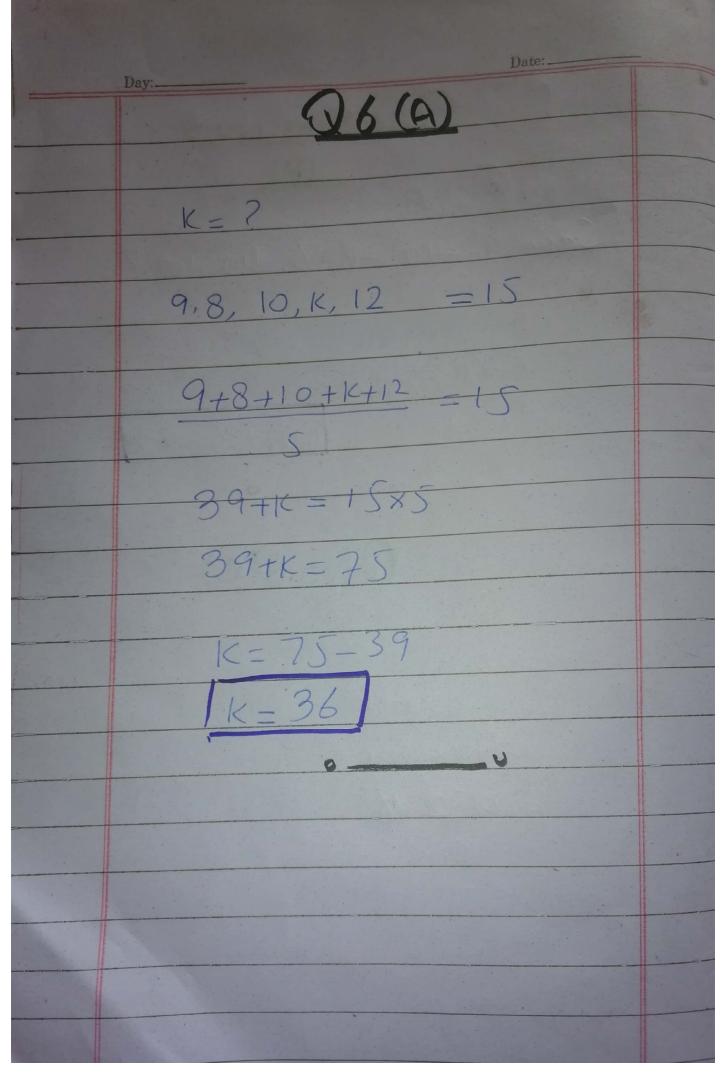
Section-I Question No-8 (C) A = {10,11,12,13,15} B= { 10, 12, 14} U= [10,11,12,13,14,15,16,18] (AUB) = A'NB' L.H.S AUB = {10, 11, 12, 13, 14, 15} (AUB) = U-(AUB) - {10,11,12,13,14,15,16,183- {10,11,12,13,14,15} = { 16, 18 } R.H.S A'MB' A'- U-A = \10, 11, 12, 13, 14, 15, 16, 18}-\(10,11,12,13,15\) = {14, 16, 18}

Day:	
B'= U-B= \10,11,12,13,14,15,16,18}-(10,12,14)	3
$= \{11, 13, 15, 16, 18\}$	
n'nb'= } 14, 16, 18} n(11, 13, 15, 16, 18)	3
= { 16, 18}	
Hence proved that L.H.S= R.H.S	
(AUB) = A'AB'	
0 0	
QN0.8(D)	
No. al Triangle in Figure.	
The no of to langues in	
The no of to langles in The given four all Eight	
Eight	
= 78	

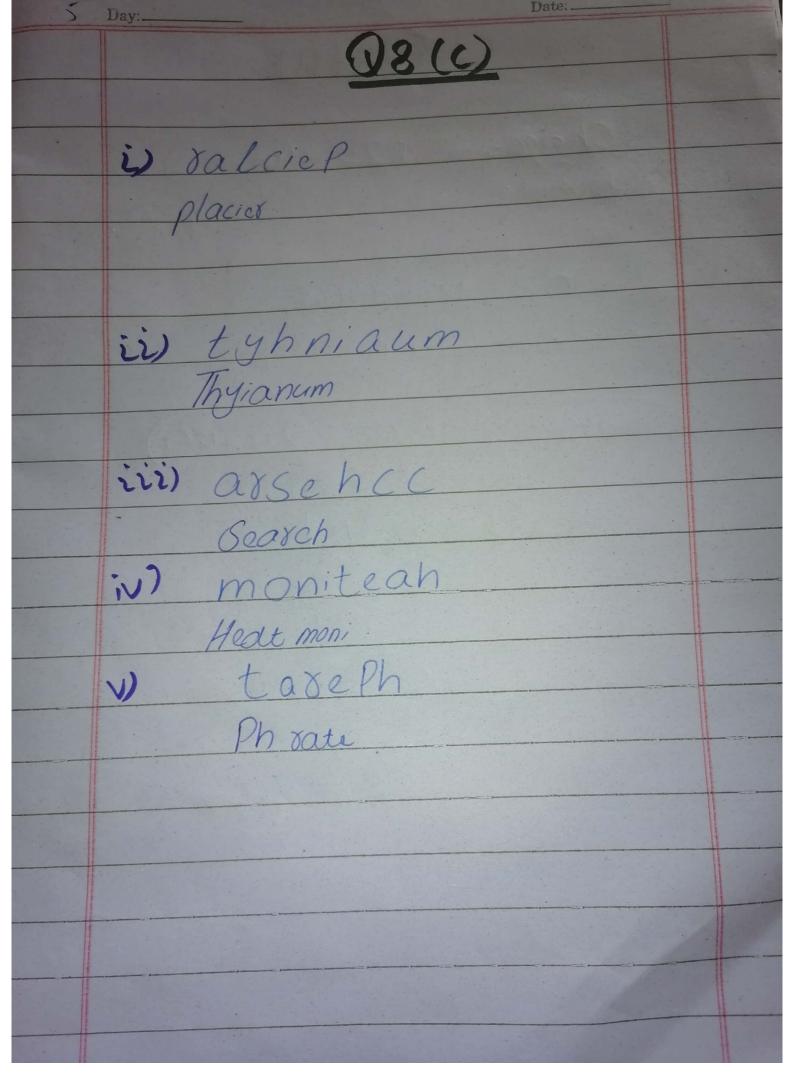




Day:
Question No.6
(D)
Series -10, -8, 6, 40, 102, ?
<u>= 102+136=238</u>
6
QN0.6(C)
$V = T \gamma^2$
$=3.14\times(12)$
= 3.14×144
= 452.16







Q6 (B) Colored water = y 42:33 42:57 434=0 +42+59=10 -27=-10 M = 10/2 - 5 42+50 =10 42+5(5)=10 425=10 MN=10-25 MN = -15