Increase length Add more headings Draw neat diagrams Attempt all parts Paper presentation is fine	
Q.	6×30,
Climate vs Environment	
Natural phenomena. Man-Made phenomes	
Made up of temperat Made up of factors	
-wee, rounfall and Such as air quality	
Seasons. Water quality, no. of laker, greeneryetc.	
Has a broader Has a limited	
3 cope and impacts scope and impact	
Cannot be controlled Can be controlled	
by humans by humans.	-
	-
Explanation:	-
Climate change is a natural phenomen -a whereas Environment is a man	
made concept This means that climate	e-page-se-
is beyond the control of humans Since be cannot after the Seasons	
Since per cannot and me ocasons	

	and their timings. They cannot control how early or how late a season arrives or leaves whereas thumans can shift from a cooler to a hotter or environment by mo
	changing cities or places. They can bor make their environment clean or unclean I as per their will or actions.
	Climate constitutes rainfall, global temperatures, seasons whereas Environment constitutes water quality as quality, number of laker trees and type of lans such as fertile
(Liniatic factors such as global emperatures rainfall and seasonal variation can directly influence:
	the environment we live in by fluencing water quality by flooding rais quality (dry, humid) by rainfall.

lastly, climate has a broader scope and impact on since a slight Increase in global temperature can have global impacts such as wildfire Goods, rydones and much more. Environment Kay limited scope and impact. For example, Lahore's air quality and smog only impacts the residends of Lahore. and 1) Causes of air pollution in Pak. industrial Transportation 1- Industrial Emission of dangerous gases Such as SON, H NOX from tentile, fertilizes industries pollutes the air. Apart Yrom - that Brick kiln industry is a major conhibutor of cos to the almosphere /air. 2- Agricultural: large and old tractors emil 50, 0 , co, and NO, from their engines

which pollutes the air In addition to that, burning of Grop residue adds Methane (CHy) and co, to the environment. 3. Domestic. Household consumption of gas in cooking a results in CHy, co, emission Apart from. Hat, household cleaner emil CFCs which conhibite to the predicament of air pollution. 4. Iransportation: Poor public transport and increased number of private possessions of cars, bikes and nicks have emit Co, co and so,.

2	b. Note on vitamins.
रेफ:	· Vitamins are an integral part of a balanced diet. There are total
	two categories. Fat soluble and
-	Water Soluble. 4 Vitaming are in fait Soluble which include A, D, E and E. Water Soluble
	Vitaming are executed B and C. Fill of them are noded for growth and optimum functioning
	diet constitutes adequate amounts
	of nutriently hence encess and deficiency of vitamins is detimen -tal to human body.
	Rold in Human body
•>	Vitamin A: prevents hight-blindness Vitamin F: good for skin and hair. Vitamin B: prevents rickels in
0	children and osteoporosis in adulte.
	Clotting otherwise excessive bleeding

	from wounds or	cars.
)	Vitamin C: preve	nte scurvy bleeding
-	qums).	
•)	Vitamin B comple	X: Necessary to
	prevent Beri Ber	
	, pellagra (Bzdo	ficiency), and
	anem different	lippes of anemias.
Q2:	د)	
	COP 27	Cop 28
	D I C II C	NO. 1. 0. 1. 0. 1
<u> </u>	Reduce GIHGI emissions	Breduce fossil fuel burning
2)	Establishment for	2) Shift to green
	green fund to	energy alternatives
	compensate climate	Such as Bolga-
	affected countries	3) The idea of
	with lower emissions	
		Should be practically
		implemented now.

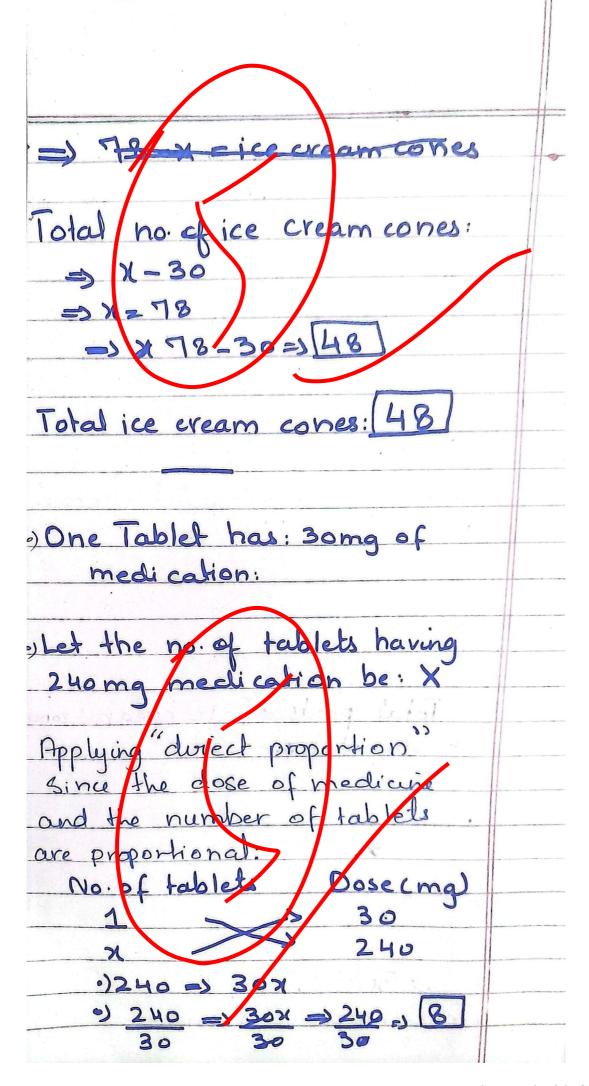
GITS: Greographical information System is a system that uses geographical information to unage. Active Sensors gather the scattered target object GIS: how are they use in GIS? of resources Such as passive and active sensors. Tools in software for analyses then process this to information

Q4,	a)
	Structure: of Eye.
	pupil Schleng
	Sch
G	nea
)Chondroitis
7	vitrous Humous
	Myopia Hyporopia
0	(Short-sight-drew) (far-sightedness)
	by glasse which by glasses which
	Concare 1)
	lens lens lans.
	e) Other treatments are surgery.
	and eye excepcises.
0	Nuhitional treatment
	Topdy high in offamin's such as,
	carrots, bell-peppers, bananas etc.
3	Reduced Screen type.
	Over- exposure of laptop mobile Screens should be reduced and
	et screens should be keptala
	distance from eyes while watching.
11	TISTUIS O

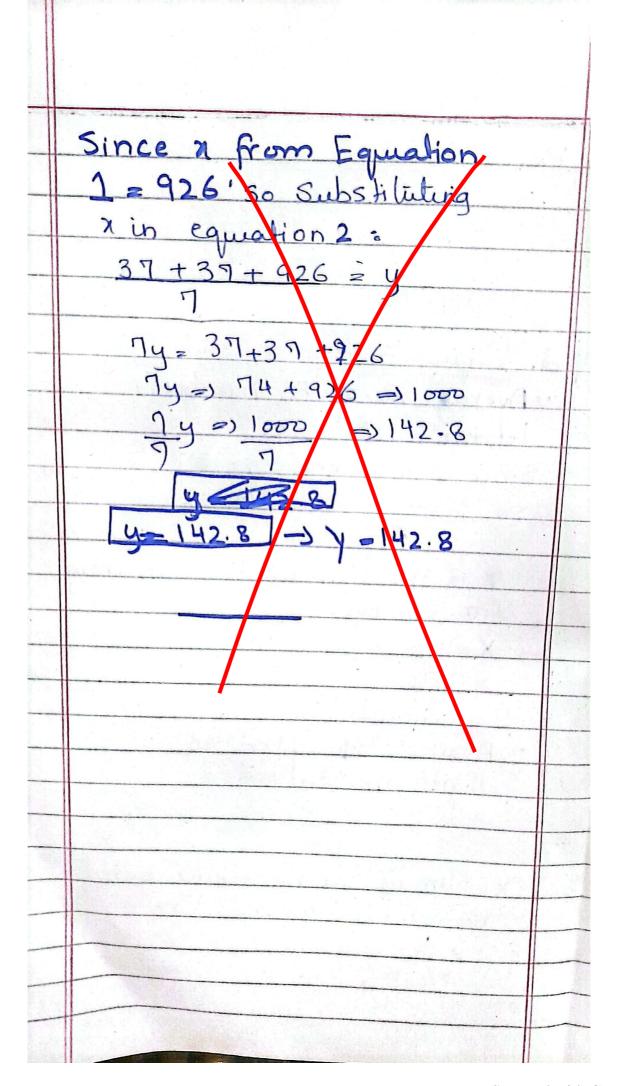
b) Different Units in Human Cell: scell membrane entur o mitochond - ria Ribosomes Smooth ER: Bundile/Stack cisternae with hiposomes attached. Fat synthesis is their vole. Rough ER: Ribosomes Nucleus, Isotains nucleus pound lion. Mitochondina: Power-house of the cell. Comercates ATP (Ader tripho phate) for energy production. Cell Membrane: Encloses and controls permeabili nutrients etcotra. Maritain Osmotica bala Cytoplasm: Holds Cell organelles and contains nutrients and water for cell.

		A fire alternational designation of the contraction of grounds and the contraction of the
Q# 4.	C. Types of Galaxies	
	o Milky	
Qu 4		
	Sun vs -Earth	
->	Made up -> Made up of	u-minute più
	of gases Hydrogen many gases and Helium	
	Warmer - Moderate	
	Single Core - 3 cores	
	No miver Rivers, mountain	-
	mountains landscape or landscape	
	or landscape	-
		and the state of
		inaccinic to
		_

	Section I	
Q#7:	a) Suppose the number multiplied	
	is x and x=1.	
	Multiplying 1 with 3	
	1) 1×3 = 3 = 0.6	
	Multiplying 1 with 5/3:	
	1) 1×5 = 9 = 1.6	-
	Percentage error in Calculation:	
	Since 0.6 is 37.5% of 1.6	
	50 100% - 87.5 % => 62.5%	18
	Hence the percentage ennor	
	<u>62.5%.</u>	
Q#7	b) Total parts of la creams cons	
	+ chocolates: 8 + 5 = 13	
	schocolates in box = 30	
	Let the total number of chocola	-
	Hence number of chocotates	
	$\Rightarrow 5 \times x \Rightarrow 30$	
	7= \$ 30×13 = 390 = 78	
	Total no of ice creams>	



Mence, total number of tablets containing 240 mg medicine is 8.
d. Equation 1:) Average no eq 50 numbers:
Since 2 numbers are 37
50 37+37 +× = 20
It is the Sum of the remaining
48 numbers
$x = (20 \times 50) - 74$ x = 926
Equation 2. Naverage of after 43
digits are discarded:
1 37+37+2 => y
N= Sum of the remaining num
bers while y = average
€ 7 is the remaining no.s gter so-43 Next page—) ⇒7



Q#8:
(a)
IQ formula:
Mental Age X 100
Chronological Age
tactors affecting IQ:
Factors affecting IO: 1) Nutrition: PV Vitamins such as
Vitamin Bg and B12 affect
tognition and brain development.
2) Gienetics:
3) Haternal Health. This leads to
propos fetal development.
4) Environment: A healty and
competetive environment induces
leagning skills.
OHB b.) No. of triangles: 12
Q48 C. Fod Vowels, A, E, I, O, U
Vowels in Superintendent.
3 limes E
1 time 4
1-hine l

chances of vowels occurring: 5
Total number of letters-14
e) probability of vowels occuring
- 5 = 0.357 = 0.36
14
The probability of vowels is [0.36].
is [0.36].
d.
Ans:
Total parts: 7+3+2:12
Zain's part:
·) 4320×2 = 570
12
Aslam's part.
4320 x3 = 1080
1.9
Ashratis part.
Ashrafís part: 4320x7 = 32520 12
12