Write	comprehensive answer	
Follow	step by step manager	
	portion SECTION-I	
	ANSWER: 2	
Includ	e diagrams for high score	
	LIPIDS	-
	Lipids are larger molecules madeupof	
	fatty acids (glycerides). They are required by	
	the body in small-amounts	
	FUNCTIONS:	
	· Used for insubtion of vital organs-hearty	
	kidneys etc.	
	· used for storage of idamins (fat-solube	
-	vitamins-ADEande)	
	· Provide energy to the body	-
	Sources:	-
	obtained from foods like fish, milk	
	and sugars, oil and meat.	
	TYPES CLASSIFICATION:	
	LIPIDS	
	Saturated unsaturated	1
	Solid at com temperature - iquid at com tempera	stale
	Example: Example:	
	Butter, margarine, Oik-com	
	excount oil etc. sunflower and	
	vegetable oils lo	live)
14	and other many control that panel or many or a strong or any or	

DEFICIENCY:	_
Deficiency of lipids affects growth	
and brain functioning.	
EXCESS:	
Excess of lipid intake causes high	
cholesterd, obesity and may lead to heart failure disease (blockage of	
blood vessels).	
DIGOT NESSOR)	
ENERGY CONSERVATION	
"Energy Conservation is defined as	
the optimal use of energy resources	
and minimizing losses.	
Methods:	
· use of public transport or cox-pool	
can eradicate fuel uses.	
. Wilization of sunlight for daily activities	
can preserve electricity.	
. Recupling water used for washing,	
cooking helps preserve energy.	
· Governments most impose strict	
legislation on water wastage.	
· Banning illuminating decorative	
lights in vost gathering can save	
energy.	

. Transitioning to Renewable sources	
the solar, wind or geo-thermal	
energy production can prevent	
over-veliance on depleting fossil-fuels and produce cleaner, sustainable	
esergy.	
Example:	
Vision 2020 of MBS (KSA)	
provides an exemplary model to shift	1-10
from pil-reliant economy to sustin	AOIC
energy sources	
HYDROGEN BONDING	
"A special kind of banding based	
on attraction is prevalent in the	
hydrogen molecule Dipole Dipole	
These forces are compositively weaker.	
that ionic or covalent bands and are	
called Van der Waal's Forces.	
BONDINGI:	
In such a bond two-poles or a dipole	
is created within the hydrogen molecule	
Hydrogen becomes the positive dipole that is banded by attraction to the	
TYIOTIS WIND	



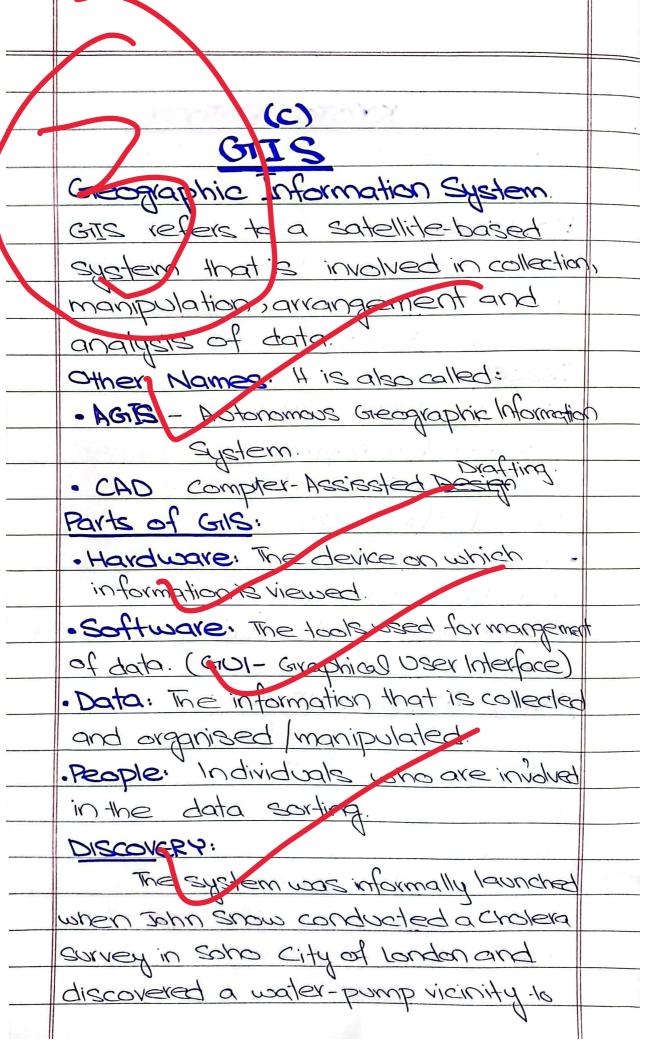
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· These are mainly		
brogaseis or	-traphs that rely	
	on decomposition.	
er (animal cells)	(Decomposers)	
Presence of	Absense of	
cell membranelin	cell-membrane	
case of plant cell)	CVA	
EXAMPLE:	EXAMPLE.	
-Plants cell.	. Bacteria Campylobate	2()
·Animal cell	o F.Urgi	
· · · · · · · · · · · · · · · · · · ·	to their desire distribution	
	Single ou - Ameliane	
GIORAI		
GILOBAL	WARMING	
The increase in the	WARMING be average temperature	2
The increase in the of the earth is a	WARMING De average temperature Called global warming "	
"The increase in the of the earth is a According to UNFCC;	WARMING be average temperature alled global warming? the average earth	2
The increase in the of the earth is a According to UNFCC > 1	WARMING The average temperature alled global warming the average earth s risen by 1.2°C in	2
The increase in the of the earth is a According to UNFCC; the temperature has the best 100 years	WARMING The average temperature alled global warming the average earth s risen by 1.2°C in	2
GROBAL "The increase in the of the earth is an According to UNFCC; if temperature has the last 100 years CAUSES:	WARMING The average temperature The average earth Sisten by 1.2°C in	
GILOBAL "The increase in the of the earth is an According to UNFCC; the temperature has the last 100 years CAUSES: Deforestation:	WARMING The cut-down of trees	
"The increase in the of the earth is an According to UNFCC, the temperature has the last 100 years." CAUSES: Deforestation: Lessel in loss of carl	WARMING The average temperature The average earth Sisten by 1.2°C in	
"The increase in the of the earth is an According to UNFCC, the temperature has the last 100 years." CAUSES: Deforestation: Lessel in loss of carl	WARMING The average temperature alled global warming the average earth sinsen by 1.2°C in The cut-down of trees and more emiss Fast-paced concrete	
GROBAL "The increase in the of the earth is an According to UNFCC; " temperature hose the last 100 years CAUSES: Deforestation: result in loss of carl Rapid Urbanization	WARMING The average temperature alled global warming the average earth since by 1.2°C in The cut-down of trees and sinks and make emiss Fast-paced concrete heat entrapment.	

contribute to global warming	
CO2-35% ~CH4-11% , CO-11%	
. Burning of Fossils:	
To provide energy to ever-growing	
global population industries; fuels are	
combusted which release toxic	
chemicals like co, lead that increase	
temperature.	
EFFECTS:	
. Loss of life: Varied heat waves	
resultin loss of precious human lives.	
. July 2022 was hattest recorded July.	
· England - 40°C for first time in history	
1400 people died in a week	
· Forest Fires:	
Global warming causes forest fires that	
harm soil fertility, leading to food	
shortage and simulteanously resultin	
atmospheric pollution.	
· Floods:	
Increased temperature results in	
fast-faced melting of glaciers causing	
catastrophic floods. This affects	
humans, plants and aquatic life	
in social and economic ways.	

KYOTO P	ROTOCOL
H was signed in Japa	
came into effect in the	
PURPOSE!	
The sale idea was to a	counter dimate
change and global wo	urming by the
emission reductions.	
Issues:	anista risiga
· Developed States like	
canada that happen t	
emittors of carbon did	not comply
to set-standards.	100 10 21/107
· The decisions of the	11
non-binding in nature	
· Rapid globalisation of	nd industrialisation
era's began.	
PARIS AGIREEMENT 20	
The failure of	Khoto blatacol
led to creation of Paris	s Agreement
in 2015. Under its comp	
are held every year	but the
implementation and	YESUHS 0
remain fairly unfruitfu	or Roth of
these failed miserably	7.



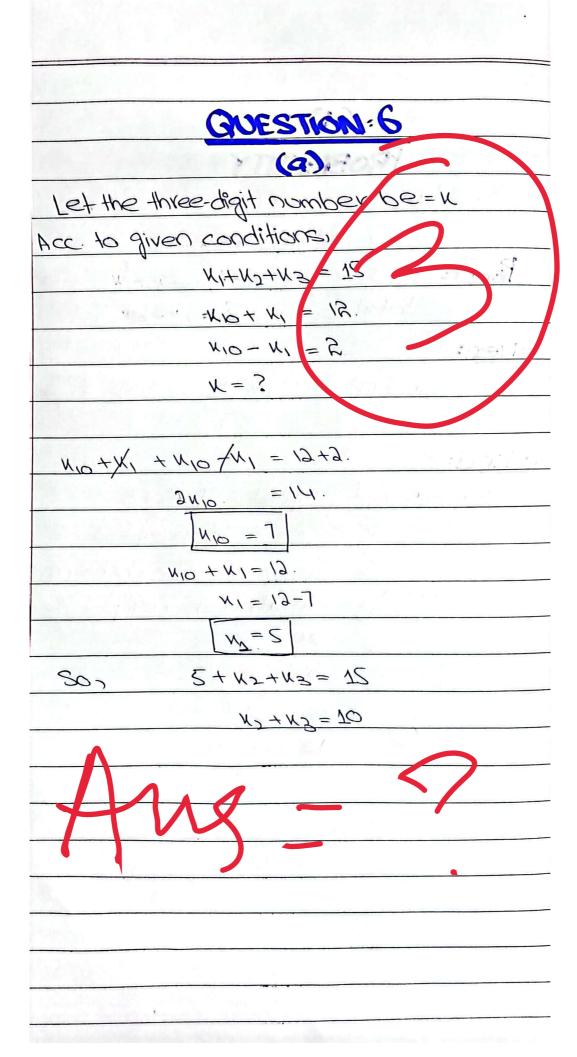
be the hub of all Cholera outbreaks Management Maritoring & M's of GIS a Manuvering Monitoring O LAND ZONING: is used in soning hand based on tax assessment, earthquare zones, explosion outbreaks @ Political Science: used to manage election results data. Other Uses: . Used to manitar natural disasters. See for environmental degradation. · Mintain attendence records of students. Maintain Deforestation or afforestation records. (d) ANTI-OXIDANTS "Substances that are used to reduce the harmful effects of certain food

and chemical substances Example: . Green Fear's known for its wideoxer anti-oxidizing capability. . Champline tree coff contain anti-oxidants. FUNCTION: . They release stress Posess substances that aid in · digestive process. SECTION-II ANSWER:8 (9) Dimensions Let, Length of room: k = 15ft. Width Breadth of room: Y Given Situation: 4 = 60% of (W) 100

	Width of the room	mis.99 415	
	Area = Length x $= (15 \times 9)^{2}$ $A = 1355$	Width 135	
	= (15 x 9)	7-14.	
	A = 135	ft ² .	
	The dimensions of	ive 15ft and 9ft while	
	area of room is		
	(E	the state of the s	
	Acc. to given con	ndition:	
		2000	
		130tt	
- N		and the second s	
		484	
		48#	
		48#	
			52
	Applying Pythagor	as Theorem: ex² + base?	525 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	Applying Pythagor		20
	Applying Pythagor Hyp2 Pe	as Theorem: ex² + base?	20 20 20 20 40x
	Applying Pythagor Hyp ² Pe	104 H	20 20 20 40x 400
	Applying Pythagor Hyp² Pe $X^2 = (2)$ $X^2 = 3$ $X^2 = 3$	38 Theorem: 28 Theorem: 24 + base; 0) + (48) 00 + 2304 104 H	20 20 20 40x 400
	Applying Pythagor Hyp² Pe $X^2 = (2)$ $X^2 = 3$ $X^2 = 3$	104 H	20 20 20 20 40x
	Applying Pythagor Hyp² - Pe X² = (2 = 4 x² = 2 X = 2 X = 1 X = 1	Se Theorem: 2x² + base? 0)² + (48)² 00 + 2304 104 H 12704 H 52 ft.	20 20 20 40x 400
	Applying Pythagor Hyp² Pe Hyp² Pe	s Theorem: ex 2 + base? ex 2 + base? ex 2 + base? ex 3 + (48) OO + 2304 TOY H 12704 H SR H save & van straight,	200 100 400 648 48 1284 192 X
	Applying Pythagor Hyp² - Pe X² = (2 = 4 x² = 2 X = 2 X = 1 X = 1	s Theorem: ex 2 + base? ex 2 + base? ex 2 + base? ex 3 + (48) OO + 2304 TOY H 12704 H SR H save & van straight,	200 100 400 648 48 1284 192 X

	(c)	
	Given:	
	Number of students = 40	
	Average marks: 52.15. Average = Sum of values Total no. of values	
	Total no. of values	
	52.15 = K	5215
	40	0000
	$K = S8.15 \times 40$	086.09
	u = 2086	
	The sum of marks of students were	
	Mous	4.
	Marks added=49. original=85	185
	error = 36.	36
	So, we add 36 marks in the sum	208
		213
	$N_2 = 2086 + 36$	
300	New average = Wi = 2HX 161	1212
	Hew average = 1/1 = 2/2 161	50/161
	Average= 53.5	160
	W W	10/313
	The average of the class is now	10 212 10 213
	53.5.	7

	d · (d) 72 300	
	PROBABILITY	
	Probability = Desire Outcome	
	Total Possible outcome.	
	Problet no of ways of occurrence of an event	
	total possible ways.	
	Given:	
	Vegetable 7:22a = 37 people, chicken = 25 peop	6
	neither= 3	
	To Find:	, 77
	To number of people = 37+25+3 = 55 people.	137
	Prob = People who like phicken pizza (people who like total number of people chicken pizza) total number of people	
	= 35	
	65	
	Prob = 5	
	(E) B	
,	Hence,	
	There is 5/13 probability of the	
	person to like chicken pizza.	
11.6	7	
	And the second s	



(b)(s)	3
Total parts = \$ 2+3+4 = 9	4
Ratio = 2:3:4 (Small:madium: large)	ų
of slices weight of slice = 10gm.	
Price of smaller piece 320 Rs.	4
Price of total sweight =?	4
	1
Weight:	9
Small p122a = 2 (40)	
= 8.889 (ams.	
	9
medium pizza = 3 (40)	
= 13.3 grams	5
Large Pizza = 4 (40).	0
= 17.7 grams.	
	11
Total weight = 8.88+13.3+17.7	(
= 39.88g.	
Prices 71 1 rs	
$S_{\text{mall}} = \frac{2}{9}(320) = 71.1 \text{rs}$	19
	-
Medium= 3 (200) 106.6 rs.	9
	3
Large = $\frac{4(300)}{9} = 143.6 \text{ rs}$	

(c) (i)	
Diameter = Gcm	
radius = 3 cm.	
Circumference: 277	314
= 9×3·11×3	18.84
Circumfagore = 18.84 cm	
Area of circle = Tr ²	13/4
= (3.14) (3)2	28.26
= (3.14)(9)	
Area = 28.26 cm²	
	13/2
(4)	24 22
1) 13,24,46,90,178, 354	45
(x^2-2)	33
ii) 5, 6, 9, 14, 21, 32 [+ next prime number]	33.
[+ next prime number]	46 33.
133 January Branch Committee Committ	- 15
	76
	1 48
	180
	1, 178
	356
	178
	356