## GENERAL SCIENCE AND ABILITY SECTION 11 Explain complex concepts in grams and flowcharts calculations digit numb Solution: 12-22=2

required three-digit numba

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## Part b Given 3 A man ordered 18 slices of pizza Each slice = 40gm -3 smaller pizza To Find price of total pizza =? 1 total pizze Solution slice = 40g m total Pizza (18 slices) = 40x 3 3 e total price Small: medlum = 2:3 of small pizza 3 320: medium = 2:3 3 320 × 3 = 2 × medium medium = 300x3

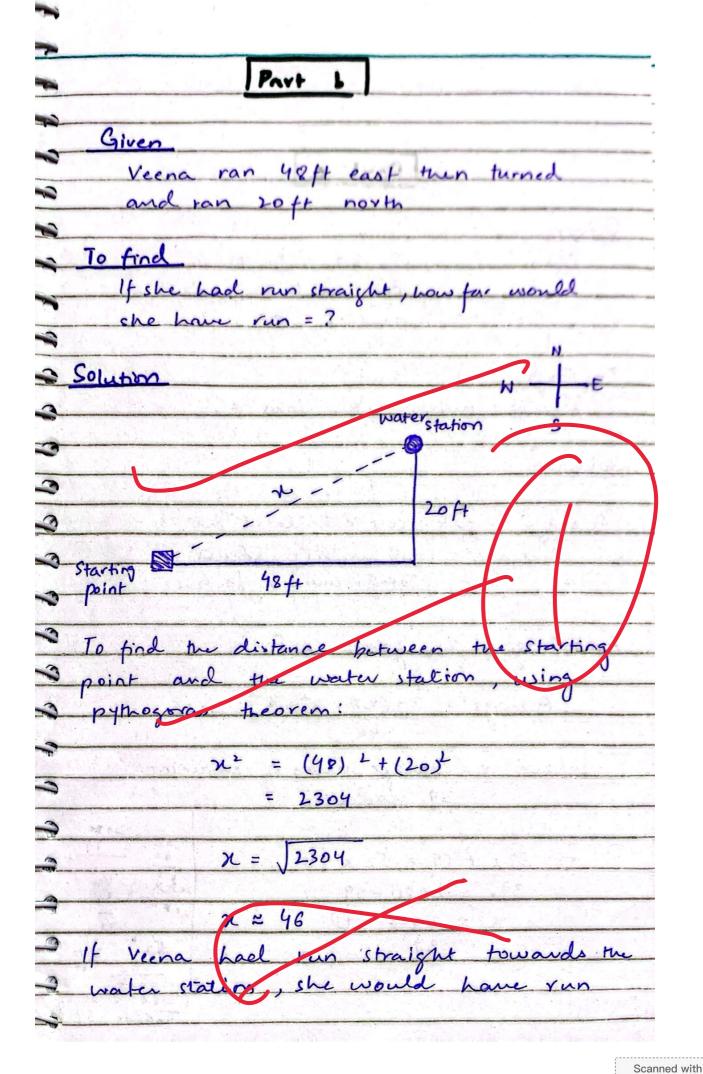
medium = 160 x3 medium = Rs. 480 Similarly, according Small: 4 320 2:4 = 320×4 320×4L Larce = Rs. 640 Now since the man let each slice nditions 18 2x + 3x + 4 = 10 0 18 X = 2 man ordered

Therefore, the total price of S Price = 2xsmall + 2xmedium -5 Price = 2×320 + 2×489 -Price = 640/ 960 + 1280 -12. 2880 3 3 Parte 3 3 Given 3 circle is 3 3 To Find circle = Ciramference of Solution Since radius diameter radius = diameter 3 cm

Circumference of a circle is g C = 2 Tr C = 2 (3.142) (3 = 6 x 3.142 C = 18.852 cm TIYL 3.142 x(3) = 3.142 ×9 A = 28.278 cm2 Therefore, the area of the circle is Part d (1) 13, 24, 46, 90, 178, 13 , 24, 46, 90, 178,

differen -13, 24, 46, 90, 178, 354 3 (ii) 14, 21, 3 it can from the above sevies be observed odd

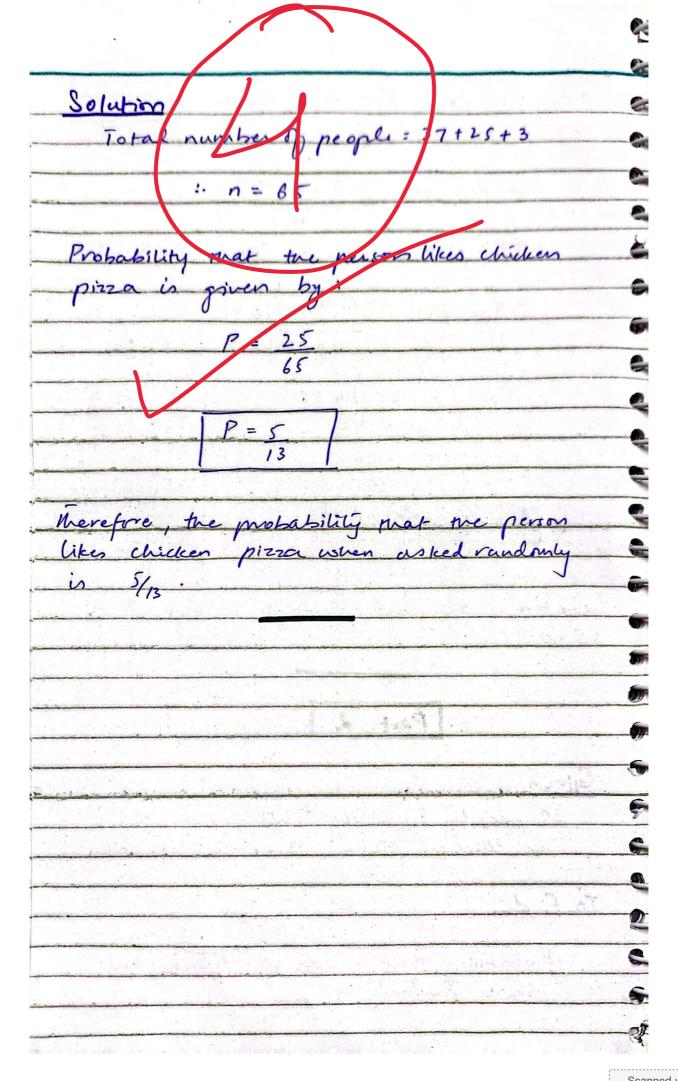
The completed seits is given 16,9,14,21,30 98 Part a Given > width of a rectangular room is 60% To find Dimensions of the ra Solution width = 60% of len width 60 X 15 100 width = 9ft

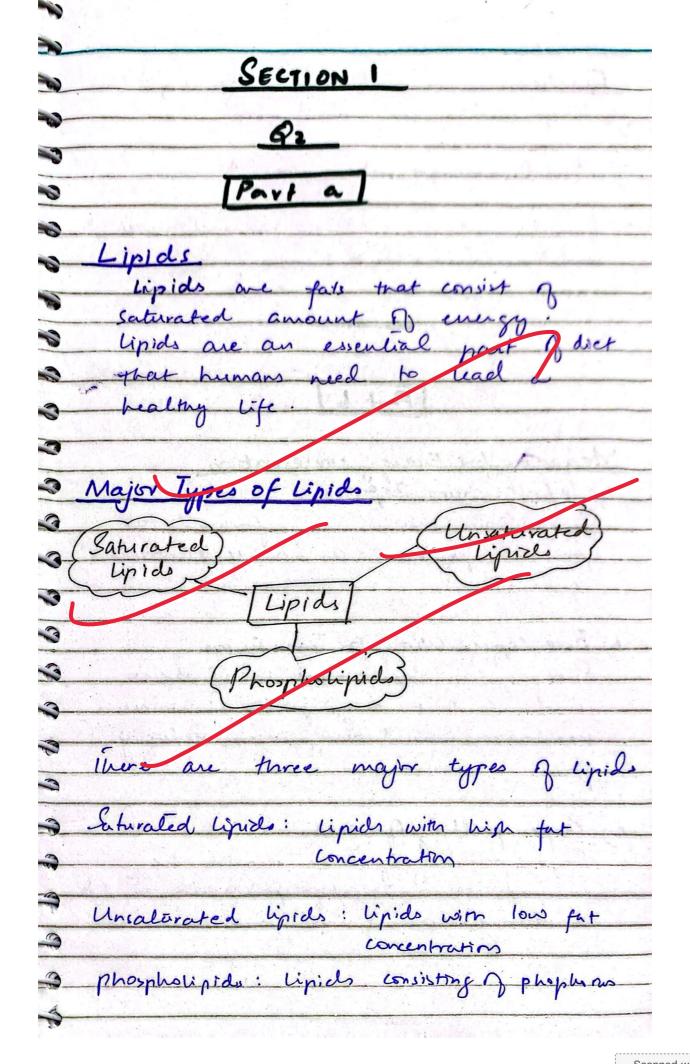


for approximately 46ft in total. Part C Given instead To Find Solution Total number of students Stadents 2080 40 39x +49 = 52 x 40 80 39x = 2086 - 49 - 2037 52:15 204L 208604

Now arrerage 85 marks when instead taken 3 39(x) + 85 40 3 from + 85 2037 -3 85 2116 5219 2037 + 85 40 116 2122 2116 80 53.05 40 40 /2122 360 360 200 Average = 53.05 122 3 3 Part d Given To Find chillen Probability
asked von likes pizza when now

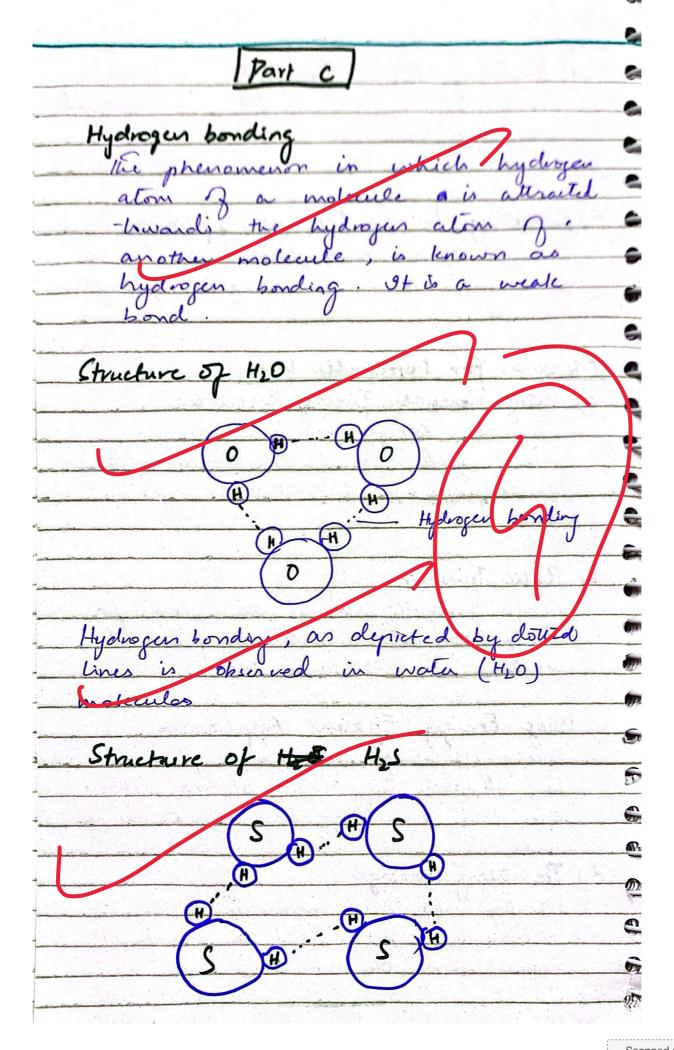
1



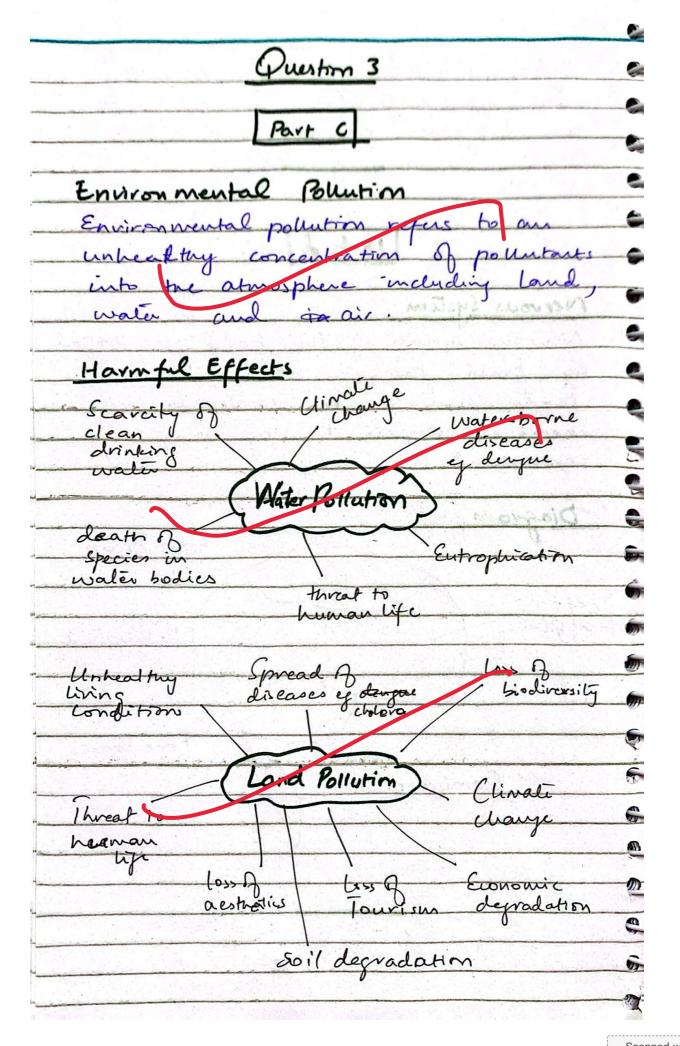


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Functions	0
1) Keep energy in stored form	-
	-
2) Provide evergy when heeded	1
3. Quille and the second with	_
3) Provide cushion between stomach wall and acids present	
mesers)	-
	•
	6
Part b	-
Part b	-6
Meanuma for French conservation	3
a) Infrastructure Reforms	
Infrastruture should be reformed to	
Infrastruture should be reformed to mevent power losses during electricity	-
generation	6
	6
b) Pure Copper Wires for Transmission	m
Pure copper wives torsed sould be used so that they provide minimum	
resistance while transmission, reducing	
power loves	
	9
cy Proper padding of wires	-
Proper padding of wires though he ensured to mitigate power loss	
the during transmission process.	20
	0
	- 6
	-27

Rublic Transport d) Improung -63 for Sustainable Use Renewable Energy Resources 3 2 9 by Public Transport 3 3 before hourng



13 Part d Nervous System 9 Diagram Hindbrain ore brain



Respiratory descases Acid rain Global 3 Air Pollation human life biodiresity to curb 3 3 iswe rainwal