Section-II

Question		Open difference the months of
a) Data:		Good for math portion Also attempt theory por
	father five	
threi ca	e-he are or	- son
Current	e'-he age of	= 30 years
current	Age of Fally	u = ? c of Father = n
Suppose	cursent Age	of Father = x
Solution:	- 200101	V
Age of		
	Egther	Son
current	n	30
Age		
Age five	1.5 = 3(30-5)	30-5
years ago		
To find	current a	st of Father
C040012030		e with the age
Give 4e	er alo	
	9 - 15 = 30	(30-5)
	21-5 = 90) - V5
	71-5=	76
	21 = 78.	+ 5
	N 80	
50, aur	ent the of	Father is 80
40 001	Pd .	

b) <u>Data:</u>
mean = 50 Numbers = 10, 30, 4, 50 value of 1 = ? solution: Mean = fum of all observation Total # of observation 50 = 10 + 30 + 1 + 50×4 = 10+30+7+50 200 = 90× 200 = 200 - 90 = Y So, the value of 4 is 110 Am C) tind the missing number 0) 2, 6, 18, 54, 162 Series is following multiplication of 3 in each number 2×3 = 6

6 x 3 = 18 1813 = 54 5413 = 182 so, the next number in series 162-2) 3125, 256, 27 The number is following series of root of number same as number $3^3 = 3 \times 3 \times 3 = 27$ 49 = 4 x 4 x 4 x 4 = 256 55= 5x5x5x5x515= 3125 so, the missing number in series is 27. Am. (d) Data: Product of two number = 320
Ratio of number = 1:5
Find: difference between
square of numbers.

solution:-Suppose the numbers are Nand 5N respectively. So, Ace to the question M x 5N = 320 $5N^2 = 320$ M2= 320 Taking root on both sides

IN2 = N64

IN= 8 First nombes is Second pumbes is M = 8 15 SM = 5x8 = 40 Now, we heed to find the difference of square of these numbers. So, Acc to question (402-82) 1600 = 1600 - 64 = 1536 So, the difference between square of these numbers is 1536 Ans 1

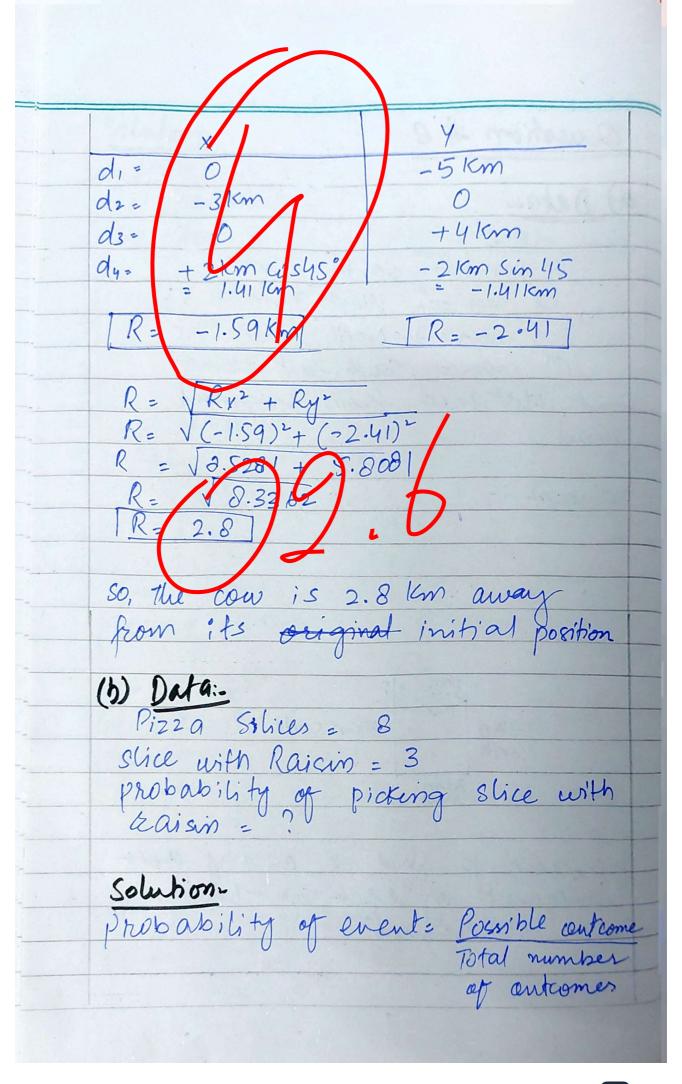
Question #8 a) Data:-Cow travel: none

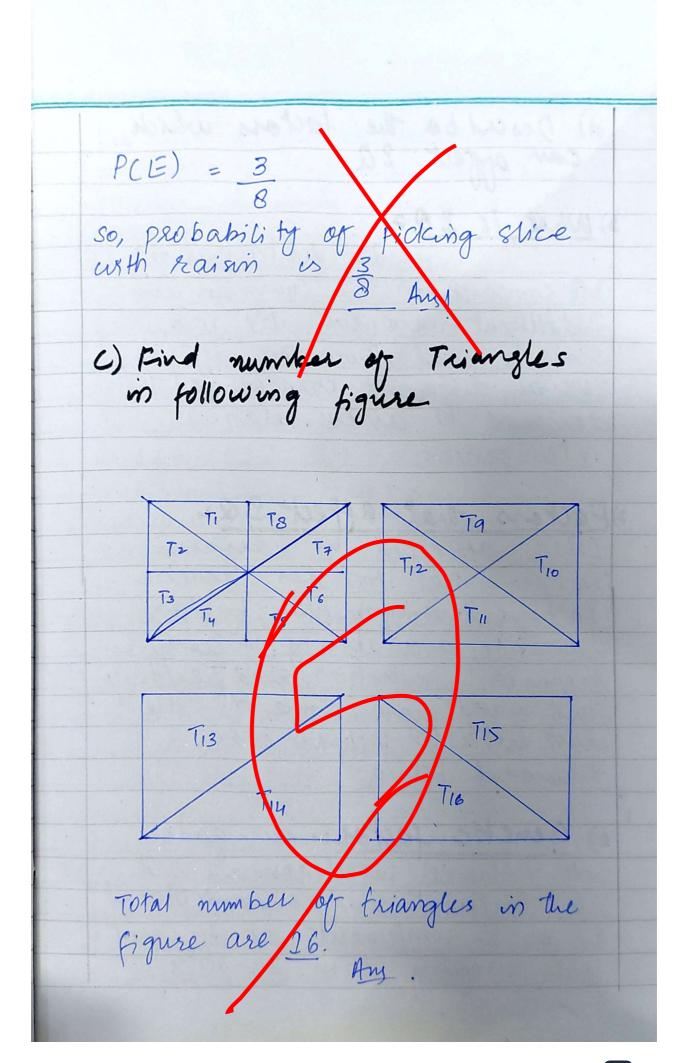
1st position: South SICM

2nd position: West 3 km

3rd move = North 4 km

4th move = South-east 2 km Find distance from original point. Solution: 41cm 5 Km south we need to find k and y axis
component of each af - the
four displacement





d) Describe the factors which can appect 2a 2) What is IR? The aptiver ation IQ comes from the breeman terms Entelligent - Quotient. DQ is a score deriked from one of several different standerized texts designed to assess relative intelligence. ») Factors that affelt &Q: IR is affected by various factors that includes Genetic factor, environmental factor, Education, availability of Cearning resources, nutstion and healthcare and many more. Some of - me most notable factors are discurred below. a) Genetic factor: our genes 20 influence intelligence and 20. Different studies have placed levels ranging from 30-20 %.

The level of genetic influence increases with age at least from dild hood through to early adulthood.

b) Environmental Factor:-

a Significant role in lasty developmental years. Home conditions influence our behaviours attitude. The financial status or the parents, neighbour hood and environmental conditions also affect on the intelligence but due to their socio-leonomic status:

c) Healthcare and Nutsation:

and nutrition are supposed to play great role in enlancing IQ. prenatal and early nutrition are linked to brain structure, behaviour and intelligence. There is evidence that providing a high nutrition nutrient diet to very premature babies, particularly babies males, can help to reduce the loss of brain size and IQ often experienced by these babies.

d) availability of learning Resources:

affect IQ is availability at learning require. The more resources one have the enhanced IQ can be witnessed. Be cause vast resources compet mind to kind think out of the box. To find probable outcomes. This thus affects IQ.

- e) Health & Physical Levelopment.

 Physical and mental health is
 related to one's ability to gain
 desired achievement. A mental
 activity with delicate health, one
 may not possess enough energy
 to engage in mental activity hence
 affects 28.
- 3) Conclusion: 20 is quotient intelligence which varies person to person. It depends on factors like: health 8 physical development, nutrition, environment, Grenes and many others.