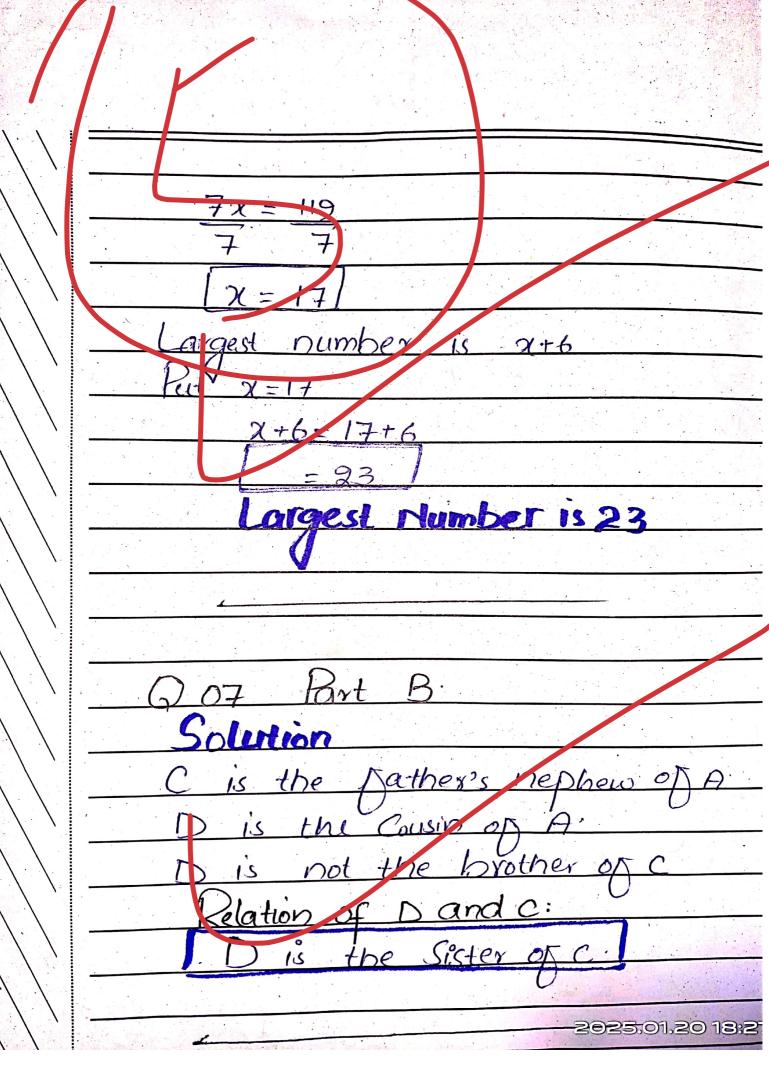
SECTION -B. 2 NO 07: Part -A Given: Average of 7 Consecutive numbers = 20 Required: argest Number =? Calculation: As Average is 20" Let Consecutive numbers be 7+2+1+2+2+2+3+2+4+x+5+2+6= Average of these numbers is 80 2+x+1+x+2+x+3+x+4+x+5+x+6 = 20 $= 20 \times 7$ 72 + 21 71+21 = 140 X = -140 -2





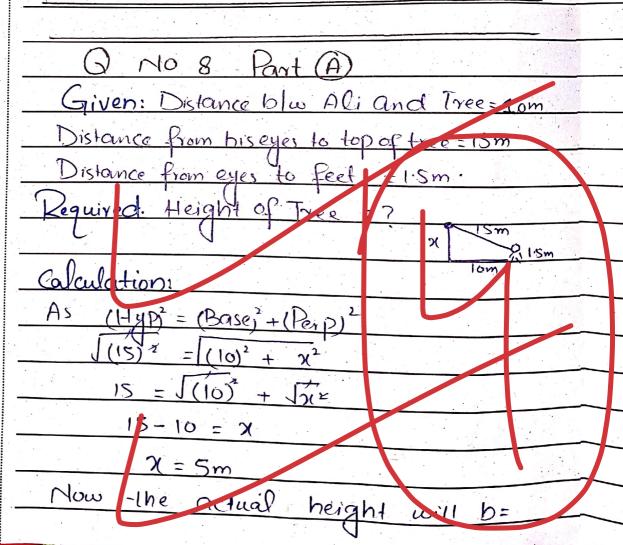
Q07: Past'c" 294-180=114 Missing Number: 180-100 =80 4.18,46,100, 180,294 114-80=34 " Difference is increasing by 6' 154-114=40 46 lying of a difference of 28 trom 18. 34-6=28 (ii) 1,2,10,37,101, 226 2-1=1 = 13 10-2 = 8 = 23 37-10-27 = 33 101-37 = 664 = 43 -- 101 = ? = It would be s 53 = 5x5 x 5 = 125 - So the missing digit is Lying at a difference of 125 from 101. Hence 101+125=22 Would be the missing number. (iii) 11, 17, 39, 85, 163 Similarly 22-6-16 41-22=24 39-17=22 85-39=46 difference increasing by 8. So the next numbe would at 32+46=78 difference-Ot means that next number would be 85+78 = 163

13,24,46,90, 178, 254 24-13 =11 46-24=22 90-46 = 44 178-90=88 7 \_ 178 = 18176 Next number be at a difference of 178 from 178. So, 178-176 = 254 is the missing number. 0 4, 36, 144,400,900, 1764 @ 1764-900 = 864 Also 4=22 900-400 = 500 144=122 400 - 144 = 256 400 = 20° t44 - = ?  $900 = 30^{2}$ As the different of the squares is increasing by 8, 10, 12 respectively so the number before! "144", would surely be 62 = 36 the square of Missing number is 36

**CamScanner** 

Discipline/Program:
Date:Number of Cont./Sheet:
07: Part 0
Given: Shave of A:B = 1:2, B:C = 3:4
Required: Share of B in Papees, if the difference
blu a and is 2240
Calculation:
Let in A:B=1:2, A share be x"and B is 2x"
In A:C = 2:3, B's share is 2x" C share will be=
$2212 \Rightarrow C \text{ share} = 42/3$
Similarly C:D= 3:4, D Share with be = $\frac{4x}{3} \times \frac{4}{3}$
$\frac{1}{10} \text{ share} = \frac{16\chi}{9}$
Now, Difference blu A and D share is 2240
A-D-10 = 2240 Det values
$\chi - 161 = 2240$
92 - 162 - 2240
q

	<del></del>
	$-7\chi = 2240$
	9
	$-7x = 2240 \times 9$
	2 2010 Amount Can't
· · · · · · · · · · · · · · · · · · ·	K = 10180
	7 De -ve
	x = 2880, A's shave.
	Share = 2%
	2 x2880
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	= 5760 Rs



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h= x+1.5 () NO 8 Part (B) (i) SONCCUOISIENT -> Conscientions EIVENPRRADST - Preservation (ii) (iii) Vorsiulse > Circulous civ) UNSPRESE -> Superness (V) NMILADPC -> Complain No 8 Part (C) Hexagon Six lines of Symmetry, Passes through Hexagor opposite ventices

Octagon. Octagon has 8 lines of symetry passes through opposite vertices I mid points of apposite Sidesopposite vertices Cixcle Pass through the center, divide the circle to two halves. Q NO 8 Part D Se of Paramid = 7cm, 5cm, 10cm Respectively. equired: Volume V=? Calculation: Pyramid V= = (Base Area) x Hight Volume of LIXIND'X H Base area = Length V= 1 (7x5)x 10 X Width V= 1/35 x (0) V= 350 => V= 116.67 cm3 Volume of Pyramid **CS** CamScanner

9 No 2 Part (A)
Ingenous Rocks:
Ingenous Rocks are those which forms from the
Qualing of molten Rock-
The magma excepted from the earth is in
molten state and exposed to the aix and otmosphere-
Allow Cooling this proplen maging Converted to
Solid Form which is known as Ingenous Rocks.
Classification:
Ingenous lock has been classified into two.
Cadagosies
is Imm Intrusive Pork
(ii) Extrusive Pock

DO NOT WRITE ON THIS PORTION Example: etamorphic Socks Fxample:

hemical Conditions are also slate Marble

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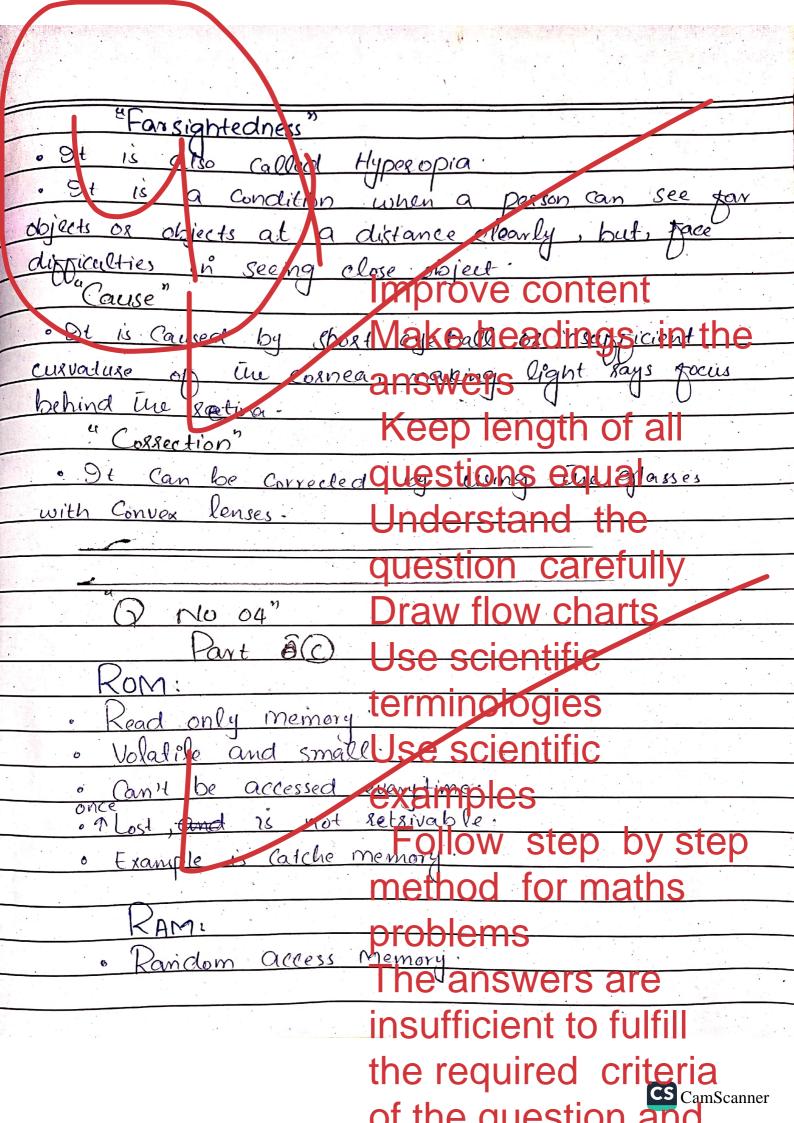
Part (B) Smogi of air Pollution which is and other Smoke atmosphere. Fog = Smog mostly in dustrial Cassied akictan, the most vulnerable 26ssiTication Smog! Smog humid climate. Yellowish haze & sometimes Grayish had seen London, the busiest city Photochemical smog,

· Such Imag take place in conny ceason and warm Climates. formed due to reaction of Mitrogen oxides o Dt is Nox" when other organic Compounds.

Ot leads to the formation of Otone" (Oz) The Pollutant most harmful for human life. the formation of · It sesults in. Q No2 Part c" Importance of Risk ) isaster Assessmen Management (DRM): Kisk assessment is a critical process in Disaster sisk management because it helps in identifying and Polential Risk that may affect evaluation of a segion. The importance of Risk in Disaster management (DRM) risk includes: (i) Identifying the vulnerabilities: It helps in identifying the asea, people. and intrastructure that one most vulnerable different type of disasters.

(ii) Planning and Preparedness:
Risk assessment pasilitates in development -
of disaster Deparedness plans, evacuation streitegres, -
and mitigation measures.
(iii) Resources Allocations
It ensuges the allocation of resources to the
over at higher risks to minimize the impacts of -
Potential disaster.
(PV) Decision Making:
Pisk assessment in DRM helps in carrying
the decision making process. It provide data to the
decision makers regarding the actions taken affected
areas -

Public awareness: It helps in informing the citizen through different THE ON THIS PORTION for emero stidents regarding the Probable desasters and be adopted to mitigate those disasters. Part NO2 hort Signtedness This is also called It is a Condition see objects clearly up close difficulty seeing objects at cuises by the dongation of excessive Curvadure on Cornea focus in front the garing-Correction 1 Treatment: Can be corrected by Concave lenses.



o Non Volatile and large in Size
· Accessible anytime easily.
o De lost, can be restored.
o Hard Adl ve B(HDD)
"Nibble"
· Data grows the server has been received in form
of bits-
· Mon & Fight Comphines, it is called a byte.
· When & Eights Combines, if is called a byte.  · Whereas, we packet of your bits of data is
Called Mibble.
"(JSB"
· Universal Serial Bus is an output device.
that is used for the transper of data from one
Computer System to another
· It is an Atline derce and does not need
Only internet Connection.
Mother Burd"
· Mother board is the part of Computer that
Contain the most impostant parts of the system.
and all all house of the system.
e de computer de la mostre la computer.
e Amy small quelt in mother board can affect
Un overall performance of the Cystem.