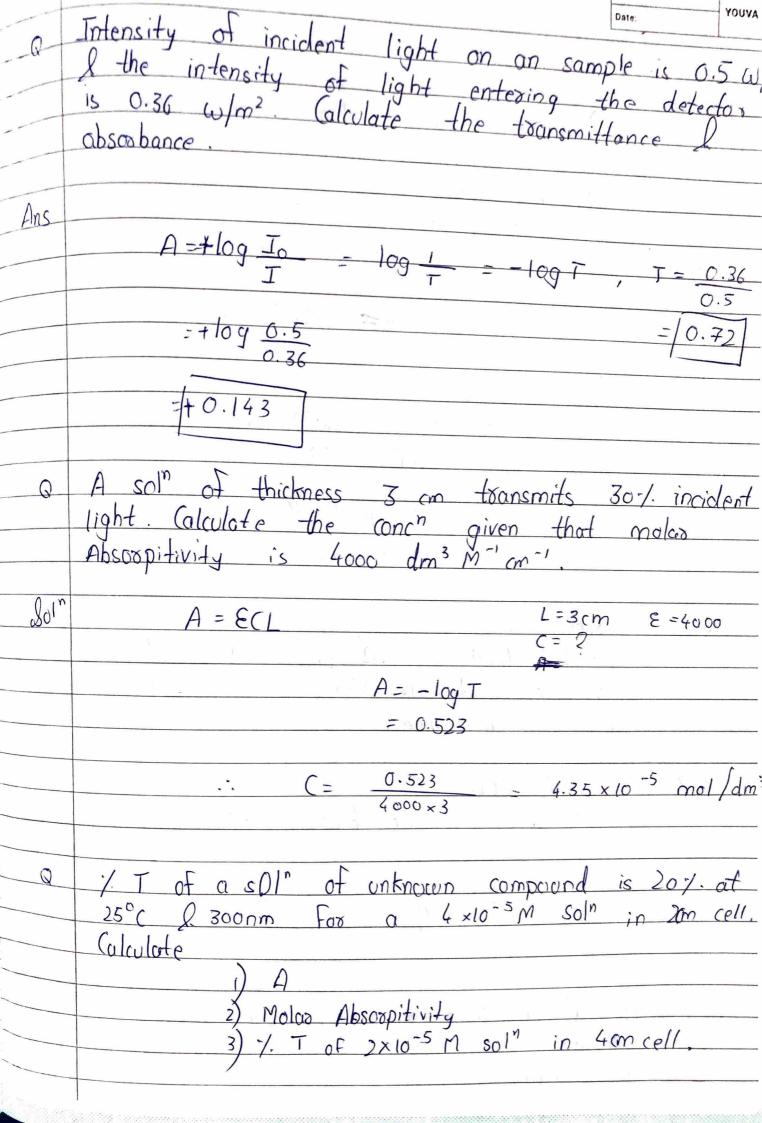
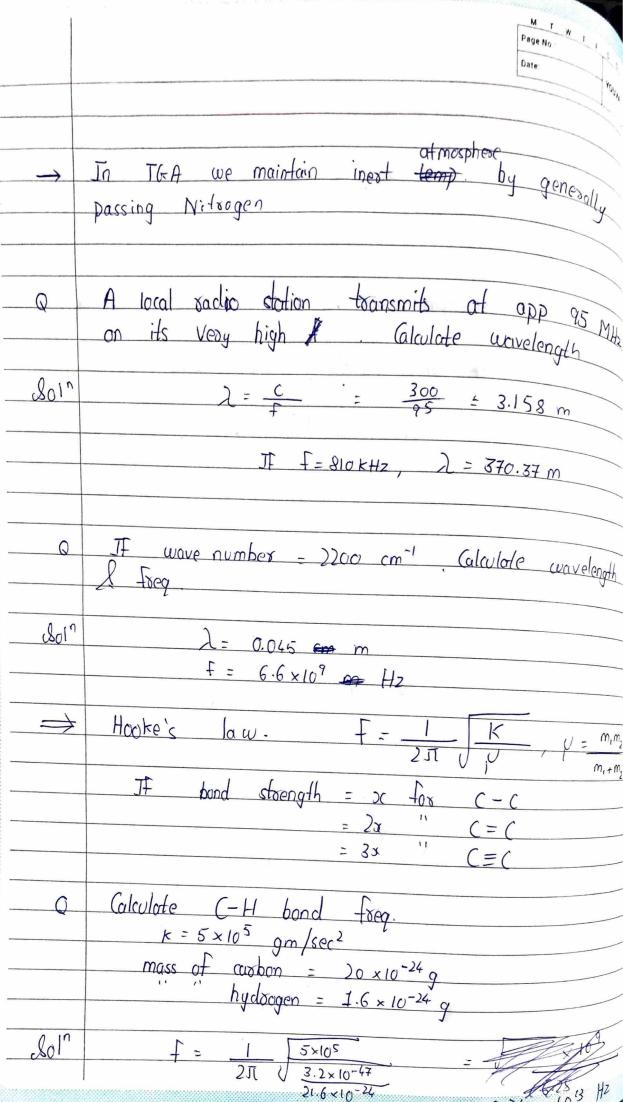
| | Att |
|---|---|
| <u>→</u> | Numericals |
| Q | Solution of thicknesss 1 cm, molar absorptivity to |
| 1 10 | concentration. * Epsilon (molor Apsurptivity) pathlength |
| | Lambert's law: -A=ECL > poth length Molas phivity: > (oncentration Pathlength L = Icm Epsilon & = 40.9 |
| | cpsion C |
| | A= ECL : 0.111 = 40.9 × C × I |
| | $c = 2.71 \times 10^{-3}$ |
| Q | 0.25 M sol ⁿ , pathlength = 1 cm, absorbance = 0.07 at 560 nm. (alculate |
| | |
| - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | 1) Molar Absorptivity of sol? 2) Absorpance if the conc ⁿ is 0.65 M 3) Concentration if absorbance is 0.450. |
| 1 | 3) Concentration it absorbance is 0.450. |
| 2017 | i) A = ECL |
| | $0.075 = 8 \times 0.25 \times 1$ |
| - | $E = 0.3 \text{ M}^{-1} \text{ cm}^{-1}$ $\hookrightarrow \text{I} + \text{is same for sol}^n$ |
| | |
| | $= 0.3 \times 0.65 \times 1$ |
| | · = - 0.195 |
| | |
| | 3) $A = \mathcal{E}CL$ |
| | $A = 0.45 = 0.3 \times C \times 7$ |
| | :. C = 1.5 M |



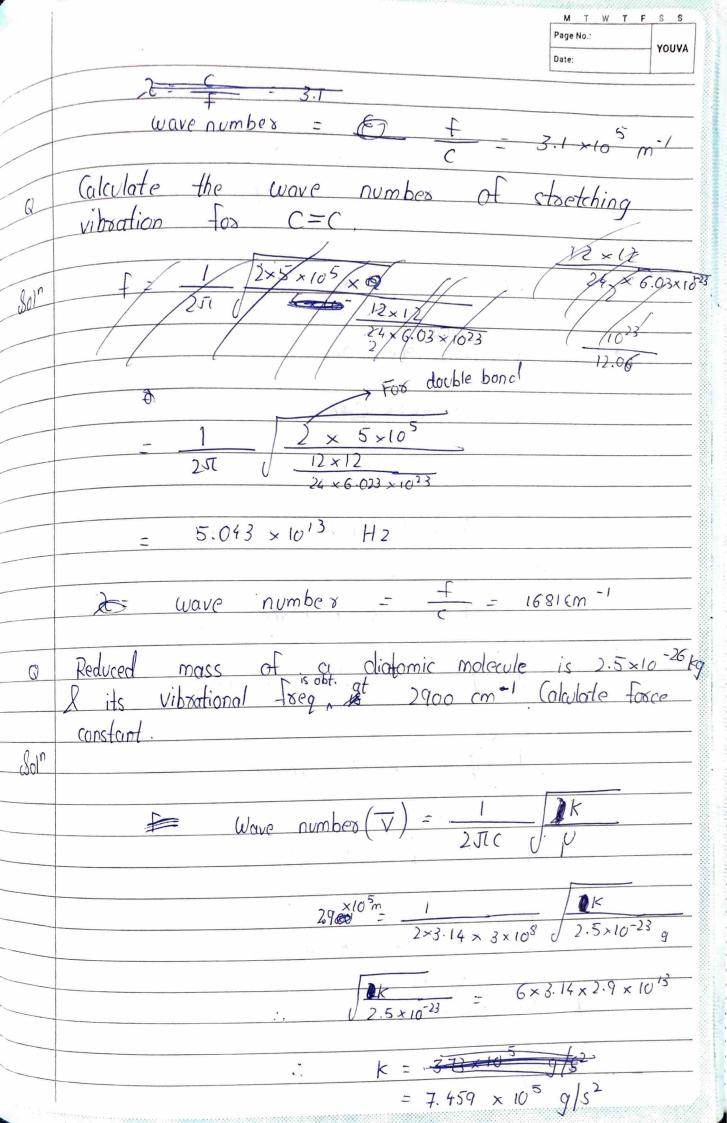
$$A = \{c\}$$

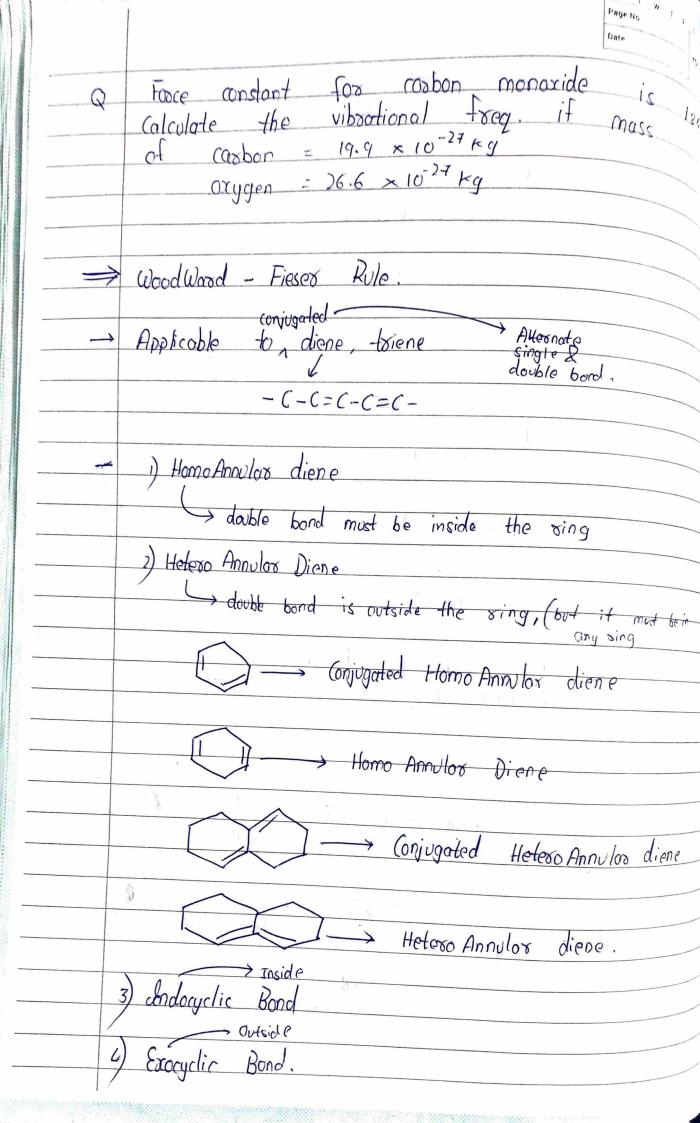
$$A =$$

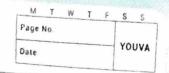
| | M T W 1 | T F S S |
|---|-----------|---|
| | Page No.: | YOUVA |
| | Date: | |
| A = CC1 | | |
| Sop A = ECL | | |
| | | |
| $C = \frac{A}{-\log 0.4}$ | , | 10.10-5 |
| EL 4000 x 4 | | .49×10 ⁻⁵ mol/dm ² |
| 4000 X 4 | - | mol/dm |
| | | |
| | | |
| | | |
| > U-V Spectoophotometes. (spectoometer) | | |
| | | |
| at amo | ound. | |
| -> To measure the spectoum of comp | | |
| | | |
| -> In reference curett obsorbance is O. | | |
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| G device | | |
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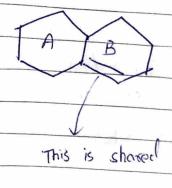


= 9.24 × 103 Hz



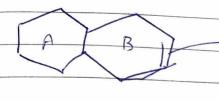




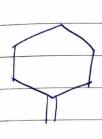


this bond is endocyclic bond.

for sing A we can say that the bond is exocyclic bond

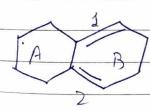


Bond is not shared, so we cannot say exo to any sing, but for sing Bit is Endo



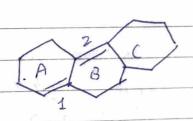
A B

Not Home not Hoteso Heteso $A \rightarrow \&xo + o \text{ nothing}$ $B \rightarrow \&xo + o P$ $A, B \rightarrow &xo + o P$



Homo

Endo Bonds -> 2 (Count)
Endo Bonds -> 2 (Count)
Bond 1 -> Endo to A
Bond 2 -> Exo to A



Hetero

Bond 2 -> Exo to B Bond 2 -> Exo to A, C

