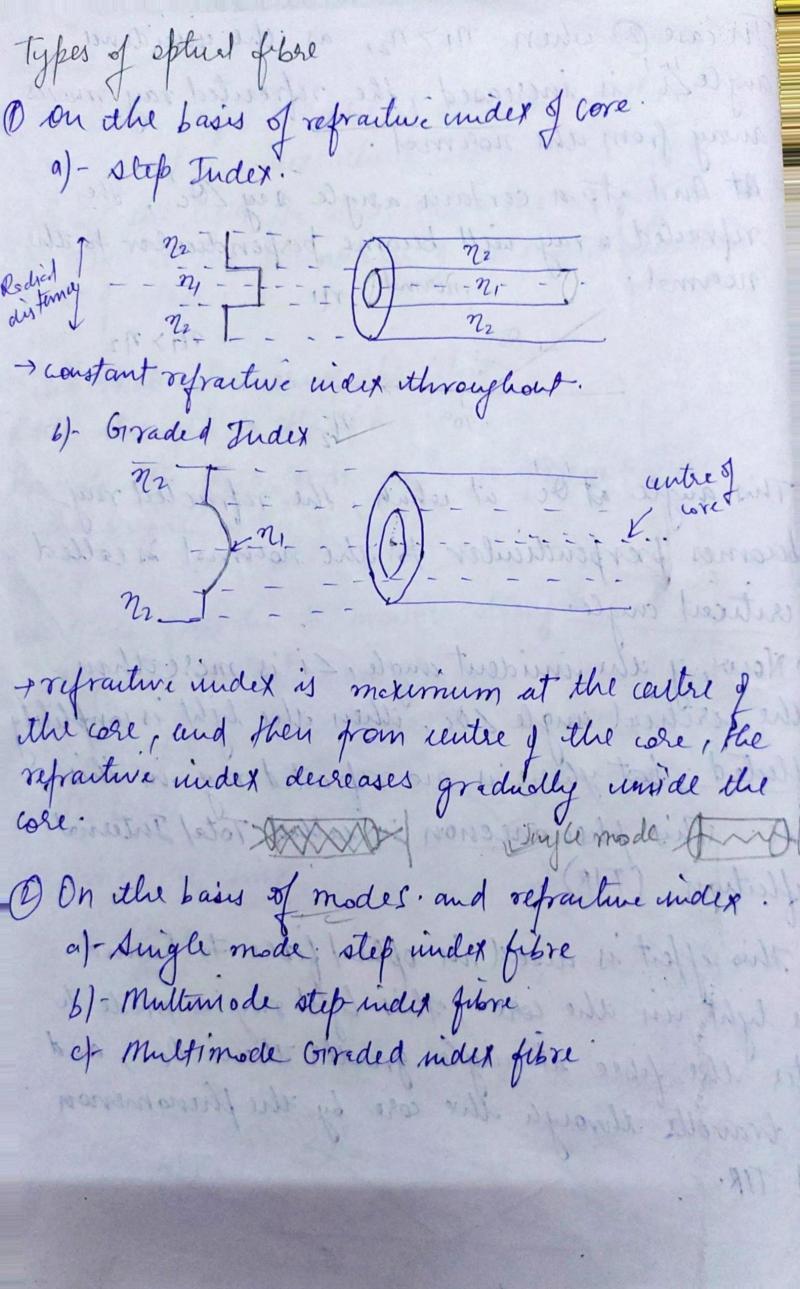
Wolking frimupal Snell's Law. n1. smi = n2. smr $\frac{n_1}{n_2} = \frac{\sin r}{\sin i}$ us of the fair

Mase 2 when n17n2, as the uncidence angle Zi is increased, the refreated ray moves At And at a certain angle say LOc', the refraited a ray will become perpendicular to the noemed.

noemed.

noemed

noe away from the nouncel. This angle of Oc at which, the refracted ray becomes prespendicular to the normal is called critical angle: -> Now, if the incident angle, Zi is more than the critical angle Loc, then the light is completely refluted; best yhere is no refraited ray in this case. This phenomeenon is called Total Internal Reflection (TIR): his 22 born of who I will not - This effect is used in oplical fibre to bound the light us the core this light ray is made to it travelle through the core by the phenomenon



transmission dine parameters. It is important to describe a transmission line in re terms of line parameters, in order to study the fransmission dines and its analysis. Illere are two parameters of transmission line Penney and Secondary. 1 / Mennary parameters are distributed elements 1. Lisistame per unit length (R), 52/m = 8= 8/2 11) Industance per unit length (L) H/m 11) Conductance per unit length (G) 5/m 1V)- Capacitance per unit length (C) F/m Notes-1)- RIL, GI, C are distributed, and NOT lumped or discrete. It means that the elements are uniformly distributed along the entire elength of line: R = resistance/unit length of the or = conductance/unit-length of dielectric.

