

Name: Nishant Sanjay Chavan

exp: 180600283

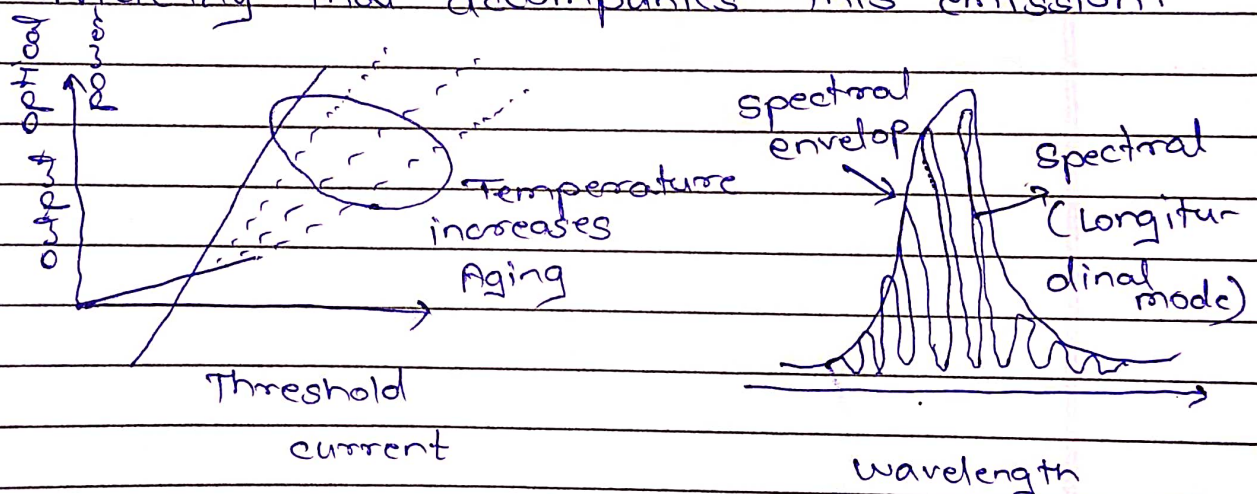
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VT-1

Q.2) When the reflection coefficient of one of the facets of a Fabry Perot structure is lower than 100%, a portion of light will come out, while the rest will continue back and forth oscillation. This device is well known as the Fabry Perot (FP) type laser.

2) Since the fundamental structure is a LASER diode is indeed a p-n junction; there is a linear relationship between the injected current and optical power output as in case of a LED.

3) The only difference is the higher value of efficiency that accompanies this emission.



4) Another reason for this sudden increase in efficiency is the feedback mechanism, which increases the gain of the device and as a whole the total efficiency of the device increases.

5) At low input drive currents, the slope of the power vs current curve is very low, indicating the low efficiency of the basic diode. This curve is called as 'P-I'.