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B.Tech sem I Engineering Physics U-II Chapter 2-LASER. 1. LASER Light Amplification by Stimulated Emission of Radiation. 3. Objectives... Characteristics or Properties of Laser Light • Coherence • High Intensity • High directionality • High monochromaticity Laser light is highly powerful and it is capable of propagating over long distances and it is not easily absorbed by water.

B.Tech sem I Engineering Physics U-II Chapter 2-LASER
Similar to the HeNe-laser the Argon ion gas laser is pumped by electric dis charge and emits light at wavelength: 488.0nm,514.5nm,351nm,465.8nm, 472.7nm, 528.7nm.It is used in applications ranging from retinal photother apy for diabetes, lithography, and pumping of other lasers.

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This cylindrical rod (laser rod) and a pumping source (flash tube) are placed inside a highly (reflecting) elliptical reflector cavity. The optical resonator is formed by using two external reflecting mirrors. One mirror (M1) is 100% reflecting while the other mirror (M2) is partially reflecting.

Nd: YAG laser: Principle, Construction, Working ...
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