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LASER stands for light Amplification by Stimulated Emission of Radiation. The theoretical basis for the development of laser was provided by Albert Einstein in 1917. In 1960, the first laser device was developed by T.H. Mainmann. 1.

Unit –I LASER Engineering Physics
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 A laser is a device that generates light by a process called STIMULATED EMISSION.  The acronym LASER stands for Light Amplification by Stimulated Emission of Radiation 3.

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Although 6328 Å is standard wavelength of He-Ne Laser, other visible wavelengths 5430 Å (Green) 5940 Å (yellow-orange), 6120 Å (red-orange) can also produced. Overall gain is very low and is typically about 0.010 % to 0.1 %. The laser is simple practical and less expensive. The Laser beam is highly collimated, coherent and monochromatic.

B.Tech sem I Engineering Physics U-II Chapter 2 LASER
When mixed with argon it can be used as "white-light" lasers for light shows. Carbon Lasers In the carbon dioxide (CO2) gas laser the laser transistions are related to vibrational-rotational excitations. CO2 lasers are highly efficient approaching 30%. The main emission wavelengths are 10.6µmand9.4µm. They are

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Engineering Physics I B.Tech CSE/EEE/IT & ECE GRIET 3 d) Atomic radius (r) – The atomic radius is defined as half the distance between neighboring atoms in a crystal of pure element. 4) What are properties of matter Waves. De-Broglie proposed the concept of matter waves, according to which a material particle of

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