

Assignment

Q1: Define the terms: i) Stimulated absorption ii) Spontaneous emission iii) Stimulated emission iv) Pumping v) Meta-stable state vi) Population inversion vii) Active medium. [CO1]

Q2: Find the relation between Einstein A and B coefficients. [CO2]

Q3: Draw schematic diagram of three level and four level lasers. [CO1]

Q4: Describe the construction and working of a Ruby laser with necessary diagram. [CO2]