

Department of Mechanical Engineering  
Faculty of Engineering, Integral University, Lucknow  
Quiz 1  
Laser Systems & Applications (IEME-014)

Candidate Name :

Time : 10 Minutes

University Roll Number & Group:

Date : January 17, 2015

Maximum Marks : 10

Year : Second Year Mechanical Engineering

Note : Attempt all the question. All question carry equal marks.

1. Write full form of LASER.
2. Write name of any two type of Laser.
3. Write final mathematical expression for Schrodinger equation.
4. Write value of Plank constant in MSK system.
5. List any three advantage of Laser system.
6. Write any four applications of Laser in ME.
7. Three processes of Laser.
8. Mathematical relationship between energy & frequency.
9. Why we need pumping process.
10. Advantage of coherence in Laser system.

