


DRAVIDIAN UNIVERSITY
Directorate of Distance Education (DDE)
KUPPAM – 517 426:: A.P.
Two year PG Examinations DDE
Course: I year Physics
Paper – II Electro magnetic theory, optics and spectroscopy
Question Paper for Assignment

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Write Maxwell's equations. Explain propagation of light in isotropic dielectric medium?
2. Explain convolution integral and apodization?
3. a) Explain the working of He-Ne laser with diagram?
b) Explain recording and reconstruction of hologram?
4. Explain LS and JJ coupling schemes?
5. Explain anomalous Zeeman Effect?