**DEPARTMENT OF PHYSICS**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA**

**(Established by the State Legislature Act XII of 1956)**

**(“A” Grade, NAAC Accredited)**

The following topics of Paper-III Option (ii), Nuclear Physics-II, will be taught to the students of M.Sc.(Physics) IVth semester from 18/02/2015 to 28/02/2015 by Dr. Rajesh Kharab.

The ground state of deuteron

Range-depth relationship for square well potential

Neutron-Proton scattering at low energies (below 10 Mev)

Concept of scattering length and its interpretation

(Dr. Rajesh Kharab)