

King Saud University
Dept. of Geology & Geophysics
GPH 390 – Rad. & Geoth.
Dr. Mahmoud M. ELWAHEIDI
Due on: Tuesday, 15/9/2015

ASSIGNMENT (1)

Provide the prove of the radioactive decay formula provided by:

$$N = N_0 e^{-\lambda t}$$

Where **N₀** is the original quantity of the radioactive element at time zero,
and **N** is the remaining quantity at time **t**