Group MND / WS 2021

## Test 1 - Electromagnetism (7P)

The following tasks consider a coreless coil with N=100 turns, the radius  $r=0.02\mathrm{m}$  (or  $r=2*10^{-2}\mathrm{m}$ ) and the length  $l=0.18\mathrm{m}$ .

Calculate the Inductivity of the coil. (3P)

Calculate the magnetic resistance  $R_m$  of the coil. (4P)

Total points: 7P Page 1/??