

Course Title: Electrical machines I
EE321

Course Code:

Sheet 4

D.C. Armature windings

1- Design a suitable lap winding for an armature with 12 slots containing two coil sides. The winding is double layer and number of poles is 4. Indicate the brush positions and show the number of parallel paths.

2- Design a suitable wave winding for a dc armature having the following particulars:

- Number of slots = 14,
- Number of poles = 4
- Number of coil sides/slot = 2.