

Unit IV : Assessment: Assignments

Assignment – Lecture 65

1.

A 6-pole armature is wound with 498 conductors. The flux and the speed is such that the average EMF generated in each conductor is 2V. The current in each conductor is 120A. Find the total current and the generated EMF of the armature winding if the winding is connected a) wave b) lap. Also find the total power generated in each case.