FOLIATIONS, C^*-ALGEBRAS AND INDEX THEORY

EXAM QUESTIONS. SET NUMBER 5

Easy Question. Define Hochschild cohomology.

Difficult Question 1. Prove the uniqueness of the antipode of a Hopf algebra.

Difficult Question 2. Define stable anti-Yetter-Drinfeld module and give the definition of Hopf-cyclic homology with coefficients.