

Foundation Exam Review Class Lesson Plan – Week 4 (November 6, 2014)

Location: CB1-320 3, 3 – 4 PM

1) (15 min) Most difficult induction question (May 2001 Exam Question #1)

2) (40 min) Number Theory – Types of Problems

- a) Extended Euclidean Algorithm (August 2014)
- b) Divisibility Proof (May 2012, May 2011)
- c) Based on GCD (August 2013)
- d) Proving mod facts (May 2014, May 2013, Dec 2012)
- e) Number Divisibility Tricks (August 2009)
- f) GCD & LCM using prime factorization (August 2008)
- g) Number of Divisors of a Number (May 2006)