

Department of Mathematics & Statistics, King Fahd University of Petroleum & Minerals

Dr. Raja Latif. Math-102-33-Calculus – II. Quiz – Five- Ch : 11.5 – 11.7. Marks: 10. May 21, 2011

NAME: _____ I.D.# _____

Q1. (T11.6B6E). (Marks: 4). Test the series $\sum_{n=1}^{\infty} \left(\frac{2n+3}{3n+2} \right)^n$ for convergence or divergence.

Q2. (T11.6B10). (Marks: 6). Determine whether the series is absolutely convergent,

conditionally convergent, or divergent.

$$\sum_{n=1}^{\infty} (-1)^{n+1} \frac{n}{n^2+1}$$