

Dr. Raja Latif. Math-132-01-Term-103-Quiz-5.(Marks: 20)-Ch-14. Aug. 10, 2011.

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NAME: _____, I.D# _____

NOTE – Show complete work for full credit. The questions are not in any order of difficulty at all.

Question – I. (495J5.5). (Marks: 5).

Evaluate $\int_1^e \frac{\ln x}{x} dx$

Question -III. (419J6.1). (Marks: 10).

Find the area enclosed by the line $y = x - 1$

and the parabola $y^2 = 2x + 6$.

Question -II. (891HRQ14). (Marks: 5).

Evaluate $\int_1^3 \frac{\ln(x^2 + 2x + 1)}{2(x + 1)} dx$