

Dr. Raja Latif. Math-102-33-Term-102-Quiz-2(Marks: 30)-Ch-7.1 -7.3. April 18, 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. (T7.1B458Q31). (Marks: 7).

Evaluate the integral. $\int_0^{\pi} x \sin 3x \, dx$

Solution.

Question – II. (466T7.2Q27). (Marks: 8).

Evaluate the integral.

$$\int_0^{\pi/3} 8 \tan^5 x \sec^4 x \, dx$$

Solution.

Answer: _____.

Answer: _____.

Question – III. (7.4T472B12). (Marks: 8)

Evaluate the integral.

$$\int_0^1 \frac{x-1}{x^2+3x+2} dx$$

Answer: _____.

Question – IV. (7.4T482B33). (Marks: 7)

Evaluate the integral.

$$\int_2^5 \frac{3(x^2+2x)}{x^3+3x^2+4} dx$$

Answer: _____.