

CHEM 202 – 01,02,03,04

EXAM 2, Fall 2015

KEY

Section 1. TRUE OR FALSE (3 pts × 10 = 30 pts)

1. T
2. T
3. T
4. F
5. F
6. T
7. T
8. F
9. F
10. T

Section 2. OPEN ANSWER (5 pts × 4 = 20 pts)

1. A.  $\text{CH}_3\text{OH}$       B. positive
2. A.  $P_{\text{I}_2}\text{P}_{\text{H}_2}/(P_{\text{HI}})^2$       B.  $P_{\text{CO}_2}$
3. Doubles      second       $\text{M}^{-2} \text{s}^{-1}\text{A}$
4. A      C      A,E      C,D      C,B

Section 3. MULTIPLE CHOICE (5 pts × 5 = 25 pts)

1.  $-142 \text{ kJ/mol}$
2.  $60^\circ\text{C}$
3.  $0.26 \text{ atm}$
4.  $4.4 \times 10^3 \text{ M}$
5.  $176 \text{ kJ/mol}$