**CHEM132**

**TBL – Solutions – Part II**

**Must Know List**

1. Carry out calculations involving the four colligative properties of solutions: lowering of vapor pressure (Raoult’s Law), boiling point elevation, freezing point depression, and osmotic pressure (See Examples 14-7, 14-8 & 14-9).

2. Use colligative properties to determine molecular weights of compounds (See Examples 14-10 & 14-11).

3. Describe how dissociation and ionization of compounds affect colligative properties.

4. Recognize and describe colloids: the Tyndall effect, the adsorption phenomenon, and hydrophilic and hydrophobic colloids.