CHM110H5F Midterm Exam 2 – 08:00 am EST, Nov. 8th, 2021

Instructor: Dr. David Armstrong

Student Name: **Student #:**

This test has four (4) questions and five (5) pages. Responses may either be typed into this document or hand-written and inserted as images, or a combination thereof. The completed test must be uploaded to Crowdmark as either a .pdf, .jpeg, or .png file no later than 09:15 am EST on Monday, November 8th, 2021. If you are completely unable to upload to Crowdmark, you may alternatively submit by email to CHM110@utoronto.ca .

To receive full marks, you must show all calculation steps and your final answer must have the correct number of significant figures.

Useful information:

Ideal Gas Constant:

$$R = 0.08206 \; {}^{L \cdot atm}/_{mol \cdot K}$$

$$0\,K = -273.15\,^{\circ}C$$