1. Closed book
3. All work to be done on the exam packet if possible.
4. What are you expected to have memorized?
   General rule: If it was given in the text of a problem on a problem set you can expect comparable material to be given to you on the exam. Otherwise you are expected to know (that means have memorized) that particular item.
   Examples:
   - **Action of raising/lowering operators** - memorize.
   - **Pauli spin matrices** - memorize
   - **Other matrices** - don't memorize the specific matrix
   - **Spherical H-atom Ψ's (general form)** - know this, you should know this in your sleep.
   - **Spherical harmonics** - don't memorize, although you should certainly know Y_{00}.
   - **Associated Laguerre polynomials** - don't memorize
   - **Parabolic wavefunctions** - know the general form, but don't memorize specifics.
   - **Clebsch-Gordan tables** - do not memorize any of these.
5. Be neat, brief and to the point. Do not write down everything that you know and expect the grader to sift through it and pick out what is correct.
6. Specific questions about the material for which you are responsible may be asked during class.