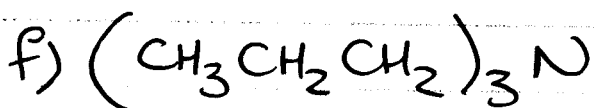
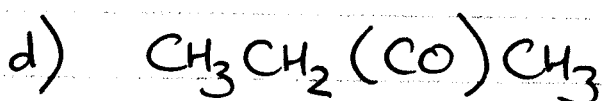
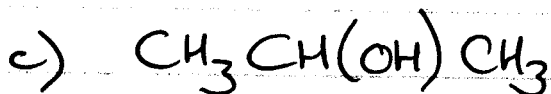
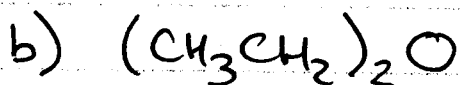
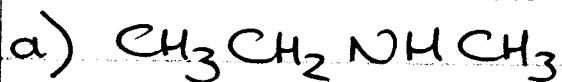


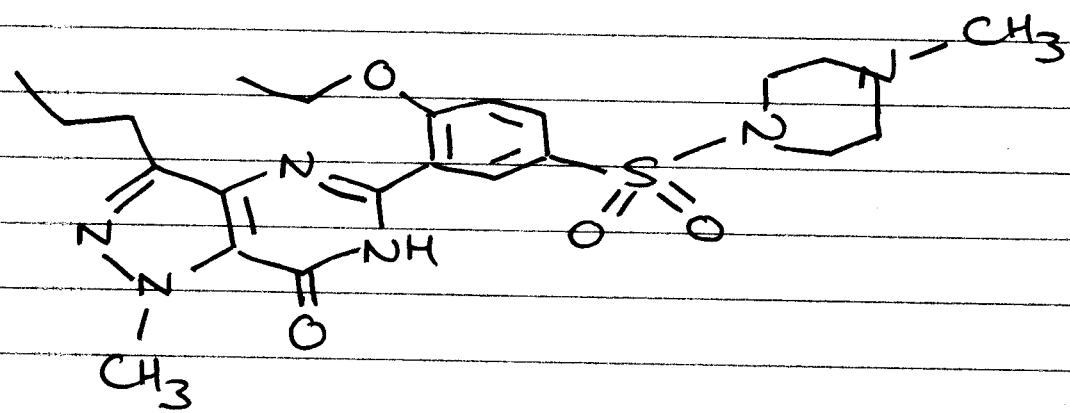
— ORGANIC STRUCTURES
(CHEM 30A FALL 2004)

①

① Draw line formulae from the following condensed structures (include lone pairs)



② THE STRUCTURE BELOW IS CALLED SILDENAFIL, ANSWER THE FOLLOWING QUESTIONS



- a) How many hydrogen atoms are there in Sildenafil?
- b) How many non-bonded valence electron pairs (lone pairs) are there in Sildenafil?
- c) How many atoms in Sildenafil have approximately (or exactly) tetrahedral geometries?
- d) How many carbon atoms are there in Sildenafil?
- e) Sildenafil has a more common name and is one of the biggest selling drugs today - what is its other name?