CHEM106 Quiz 3

Please show all equations, all substitutions, all units, and all work to receive any credit

1.	abı	aw the complete Lewis structures for each of the following amino acids in the form that is most undant at a physiological pH of 7.4. Except for aromatic rings; show all atoms, bonds and full arges (not partial charges) for these compounds:
	a.	Tyrosine
	b.	Cysteine
	c.	Aspartic Acid
	d.	Lysine
	e.	Glycine
	f.	Alanine
	g.	Valine
	h.	Threonine
2.	For	ycolic acid is an alpha hydroxy acid (AHA) with a pKa of 3.83 and is often used for chemical peels. It an aqueous glycolic acid solution at a pH of 3.0, calculate the relative amounts of ionized and onized glycolic acid. Draw the complete Lewis structure for each form and identify which is present a greater concentration.