<table>
<thead>
<tr>
<th>Part I</th>
<th>Part II</th>
<th>Scores:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ____</td>
<td>6. True False</td>
<td>Part I: / 15</td>
</tr>
<tr>
<td>2. ____</td>
<td>7. True False</td>
<td></td>
</tr>
<tr>
<td>3. ____</td>
<td>8. True False</td>
<td>Part II: / 18</td>
</tr>
<tr>
<td>4. ____</td>
<td>9. True False</td>
<td></td>
</tr>
<tr>
<td>5. ____</td>
<td>10. True False</td>
<td>Part III: / 67</td>
</tr>
<tr>
<td>11. True False</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Part III E.C.: / 5

12. a. ______________

b. letter selection structural feature (from a) circle one circle one

The ______ of the ______________________ lowers the pKa of the serotonin amino group.

The ______ of the ______________________ raises the pKa of the tryptophan amino group.

c. ______

13. _______________________________________________________________________

14. a. ______________

b. ______________ c. Circle one: Yes No

15. (most abundant → least abundant) total for #12-15: / 28
16. a.

b. 

c. 

17. a. 

b. number of groups: _______  pKa(s): ____________________________________________

c. ____________________________

d. 

e. 

f. Most molecules of human vasopressin have a charge of _____ at pH 7, and a few have a charge of ______.

Extra Credit:

a. ______

b. The researchers had expected to see ____________, because 

(10 words or less)