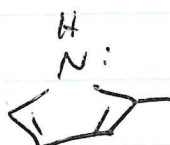


# Ch. 20

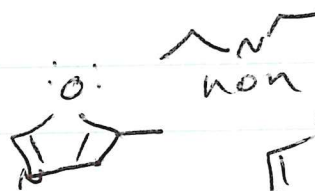
9.



Aromatic



Aromatic



Aromatic



non



Anti



Anti



Aromatic



Anti



Anti



non



non



Aromatic



Aromatic



Aromatic



Aromatic



Aromatic



Aromatic



Aromatic



non



Aromatic



Aromatic



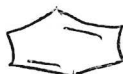
non



Aromatic



Aromatic



non

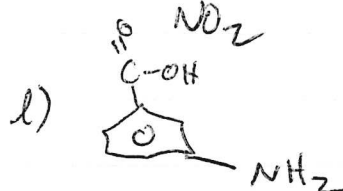
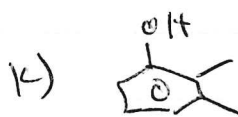
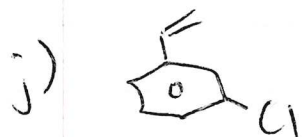
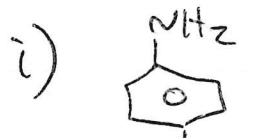
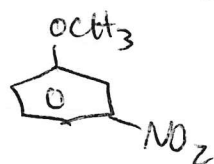
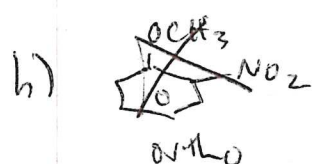
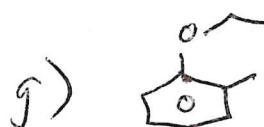
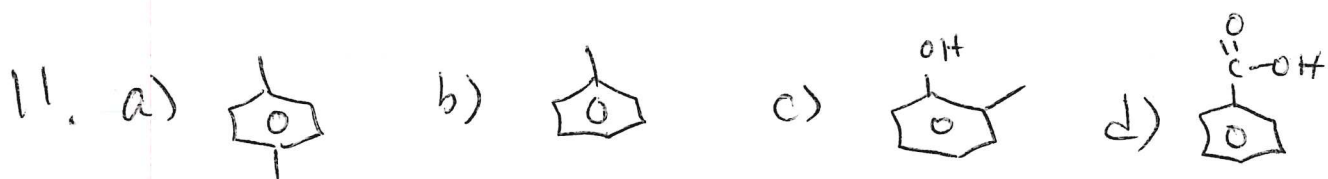


Anti-Aromatic

10.

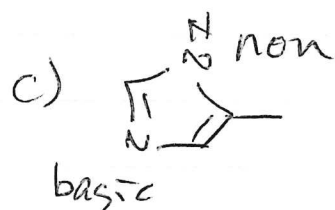


yes so it can be aromatic



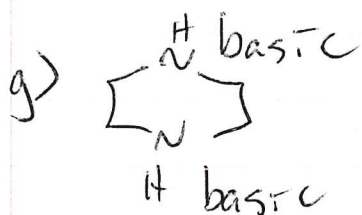
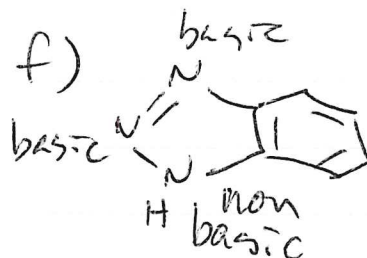
12. a) basic

b) non



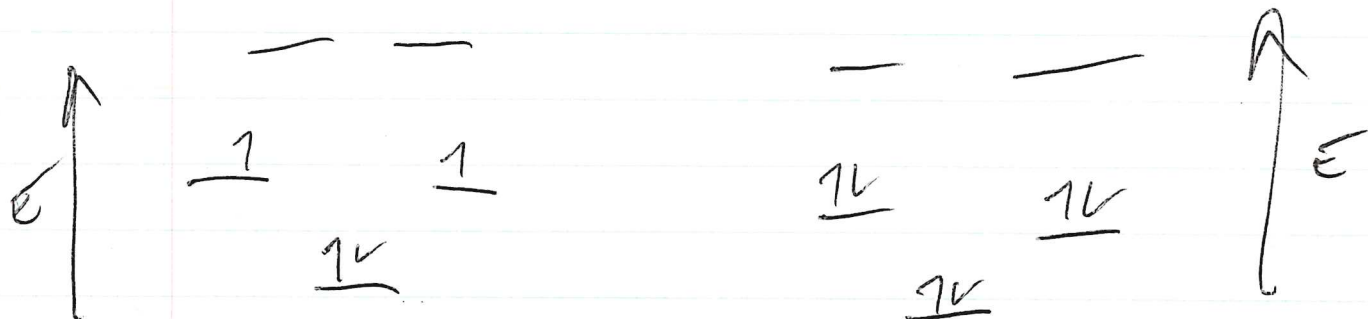
d) basic

e) basic





13.



a) Anti

Aromatic

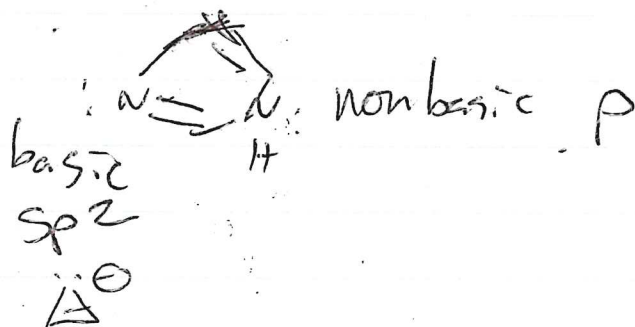
b) 4N

yes.

4N+2

14. L-Tryptophan non basic, p orbital

Histidine



15.

4N+2



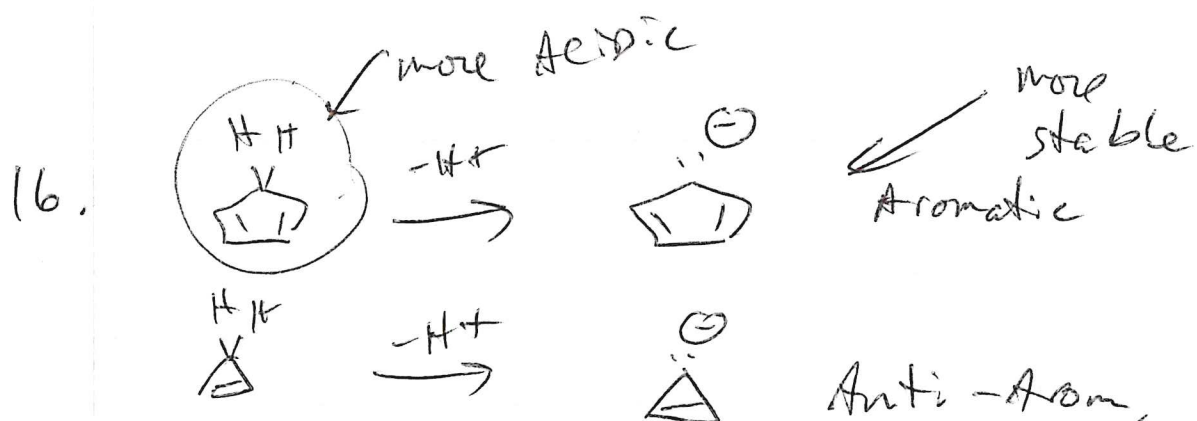
Aromatic



4N

Anti-Aromatic

b) yes



17.

A = Aromatic  
 C = NO  
 D = Basic  
 E = Basic  
 F = Basic

B = Aromatic