

[-CHE 326.01 \(R01-R07\) ORGANIC CHEMISTRY IIB - SPRING 2009 \(1094-CHE-326-SEC01-49422\)](#) > [CONTROL PANEL](#) > [PREVIEW ASSESSMENT: 326WS3](#)

Preview Assessment: 326WS3

Name 326WS3

Instructions

Multiple Attempts This Test allows multiple attempts.

Force Completion This Test can be saved and resumed later.

▼ Question Completion Status:

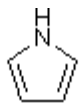
Question 1

1 points [Save](#)

List the compounds shown below in order of **increasing** stability due to electron delocalization.



i



ii



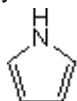
iii

- i < ii < iii
- i < iii < ii
- ii < i < iii
- ii < iii < i
- iii < ii < i

Question 2

1 points [Save](#)

Draw the structure of one of the two best additional resonance structures for pyrrole. If you need to draw a cation or an anion, choose positive (or negative) charge sign from the drawing tool bar and click on the atom where the charge will be. Remember that you should NOT draw hydrogen (H) since the program will do that!

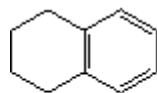


pyrrole

Question 3

1 points [Save](#)

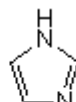
Which of the following species would you expect to be aromatic?



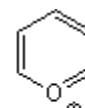
i



ii



iii



iv

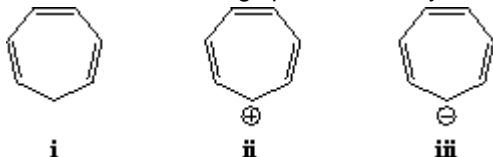
- i + ii

- ii
- i + ii + iii
- ii + iii + iv
- i + ii + iii + iv

Question 4

1 points [Save](#)

Which of the following species would you expect to be aromatic?

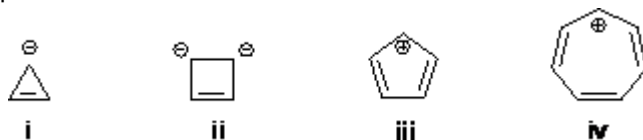


- i
- ii
- i + ii
- ii + iii
- i + ii + iii

Question 5

1 points [Save](#)

Which of the following ions would you expect to be aromatic? Assume the ions are planar.



- i + ii
- i + iii
- ii + iv
- ii + iii + iv
- i + ii + iii + iv

Question 6

1 points [Save](#)

Which one of the following anions would you expect to be antiaromatic?



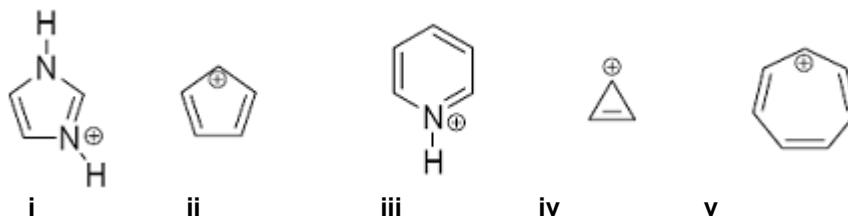
- i
- ii

-
- iii
- iv
- v

Question 7

1 points [Save](#)

Which one of the following cations would you expect to be antiaromatic?

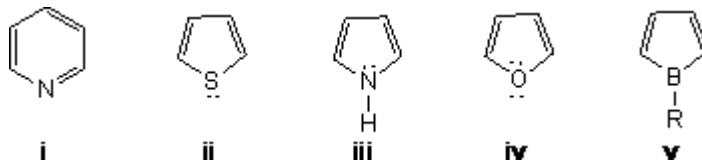


- i
- ii
- iii
- iv
- v

Question 8

1 points [Save](#)

Which of the following compounds would you NOT expect to be aromatic?

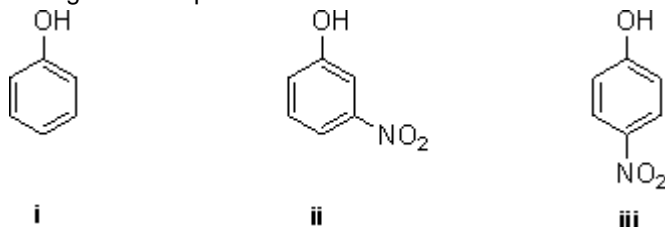


- i
- ii
- iii
- iv
- v

Question 9

1 points [Save](#)

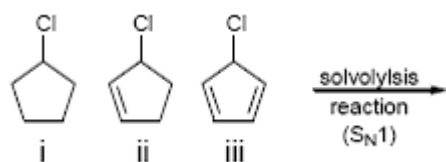
Arrange the compounds shown below in order of **increasing** acidity.



- i < ii < iii
- i < iii < ii
- ii < i < iii
- ii < iii < i
- iii < ii < i

Question 10**1 points** [Save](#)

Choose the order that has the following compounds correctly ordered with respect to increasing reactivity with respect to a solvolysis (S_N1) reaction.



- i < ii < iii
- i < iii < ii
- ii < i < iii
- ii < iii < i
- iii < i < ii

[Save](#)[Submit](#)