Que. Arrange the following in dec. order of Acid strength:

1. \( \text{O} \) 2. \( \text{O} \) 3. \( \text{O} \) 4. \( \text{O} \)

Que. Consider the following two amines:

1. \( \text{N} \) 2. \( \text{N} \)

which is correct statement regarding the basic strength of these amines:

a. Both are equally basic.

b. 2nd is less basic than 1st b'coz in 1st case amine inversion is not possible.

c. 1st is more basic than 2nd b'coz in 2nd case N is sterically hindered.

d. 2nd is more basic than 1st b'coz in 1st amine inversion takes place.

Que. strongest carbon acid among the following is:

a. \( \text{H} \)  b. \( \text{NH} \)  c. \( \text{F} \)  d. \( \text{H} \)

Que. Most acidic Hydrogen.

Que. Correct sequence of bond energies of C-H bonds will be:

Que. which is more basic:

a. p- \( \text{NH}_2\text{C}_6\text{H}_4\text{SO}_3\text{H} \)

b. p- \( \text{NH}_2\text{C}_6\text{H}_4\text{COOH} \)

c. \( \text{CH}_2\text{NH}_3 \)

d. \( \text{H}_2\text{COOH} \)

Que. which has maximum pKa?

a. \( \text{O} \)  b. \( \text{O} \)  c. \( \text{O} \)  d. \( \text{O} \)

Que. Consider the following compounds:

\( \text{Et}_3\text{N} \)  \( \text{F} \)  \( \text{Me}_2\text{NH} \)

Correct order of basic strength.
In the given molecule, the atoms are numbered as 1, 2, 3 and 4. The correct order for these atoms in order of their participation in resonance will be...

Which is not Aromatic?

Out of the following four compounds, which are Aromatic Compounds?

Which of the following compounds has the most Acidic H

Identify the most Acidic H present in the above compound.

Compare relative stability of the following R-S.

Which one of the following is most stable?

Which carbocation is most stable?
Q1. Which of the following is the most stabilized carbocation?

Q2. Rank the following alkenes on order of increasing $\Delta$max:

Q3. Which of the following dienes would you expect to be the most stable?

Q4. Which has more dipole moment?
   a. [Structure L]  b. [Structure M]  c. [Structure N]

Q5. Which will react NaHCO₃, NaOH, and NaN₃?
   a. [Structure O]  b. [Structure P]  c. [Structure Q]

Q6. Which is more stable?