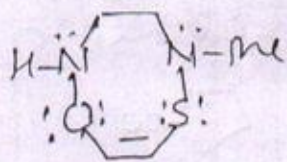


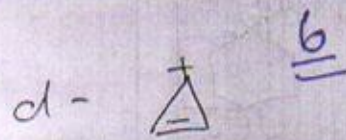
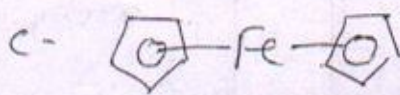
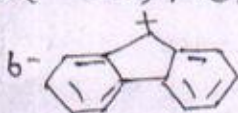
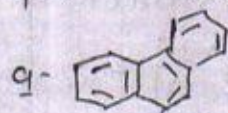
as 1, 2, 3 and 4  
 correct order for  
 these hetero atoms



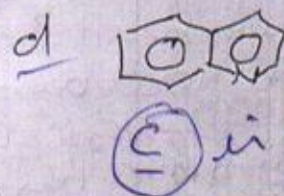
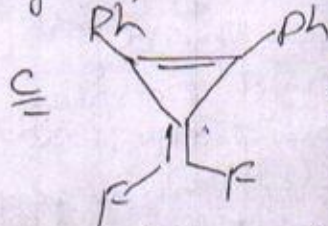
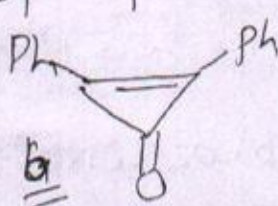
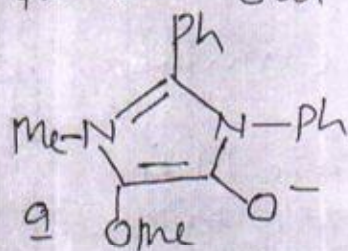
$S > N-Me > NH > O$

in order of their participation in resonance will be-

Qw- which is not Aromatic

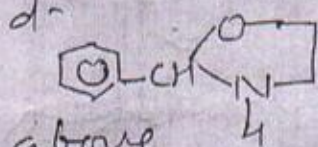
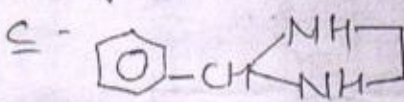
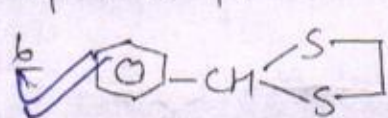
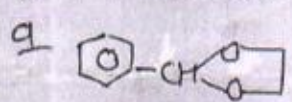


Qw- 6- out of following four Compounds

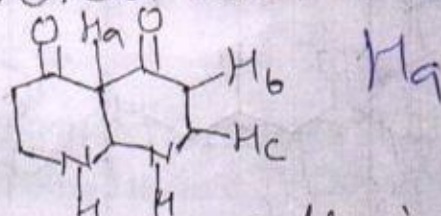


Aromatic Compounds are-

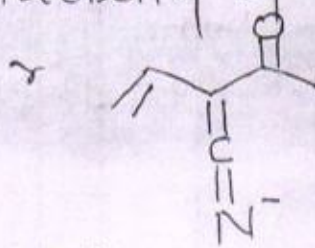
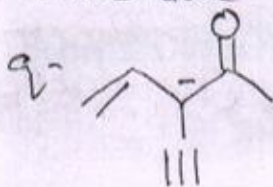
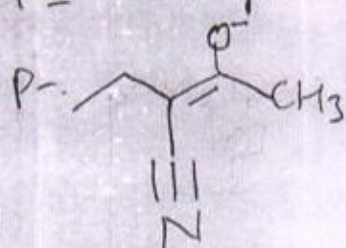
Qw- which of the following compound has most Acidic H



Qw- Identify most Acidic H present in the above compound

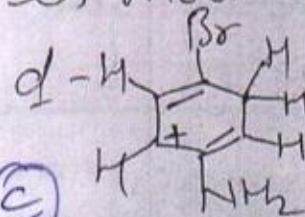
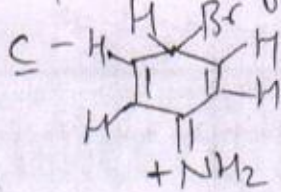
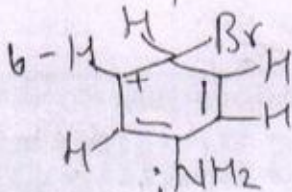
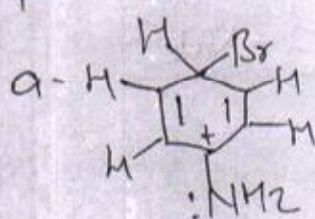


Qw- Compare relative stability of following R-S.

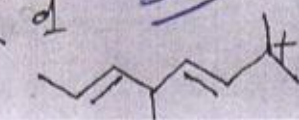
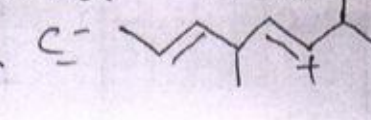
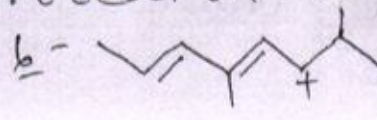
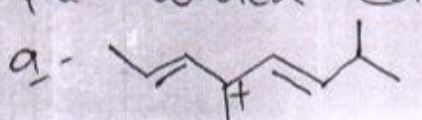


$P > Q > R$   
 b'coz  $-C \equiv N$  is more stable than  $2^{nd}$

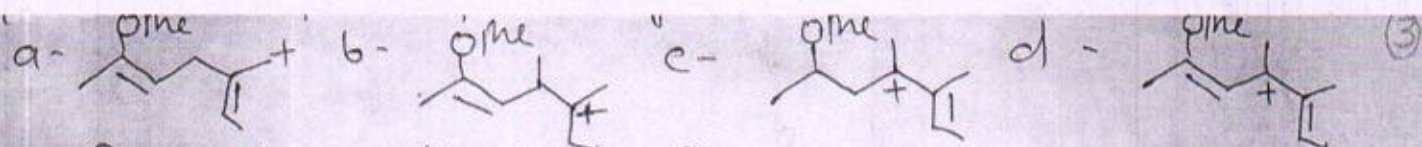
Qw- which one of the following is most stable.



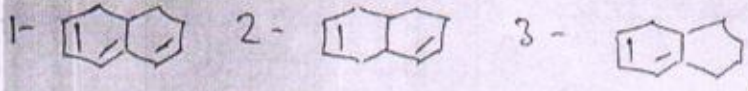
Qw- which Carbocation is most stable.



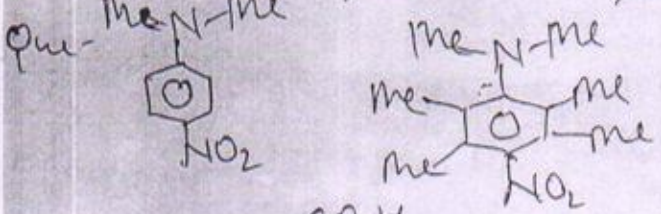
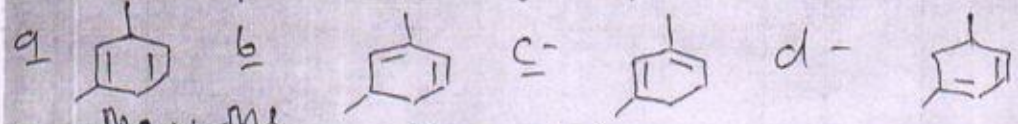




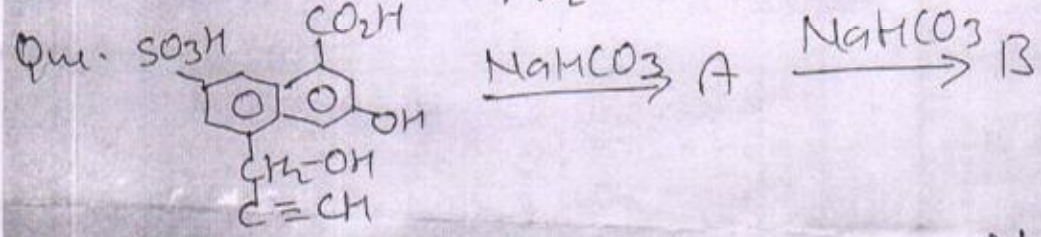
Que- Rank the following alkenes on order of increasing  $\lambda_{max}$



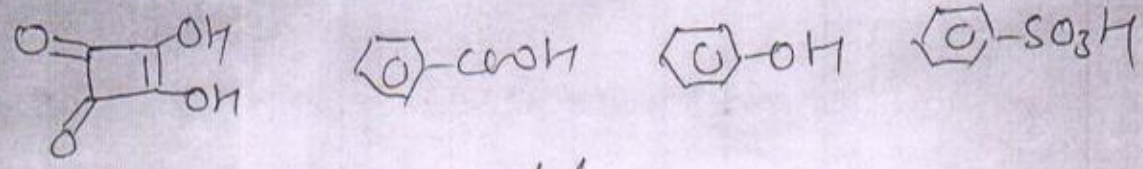
Que- which are of the following dienes would you expect to be the most stable?



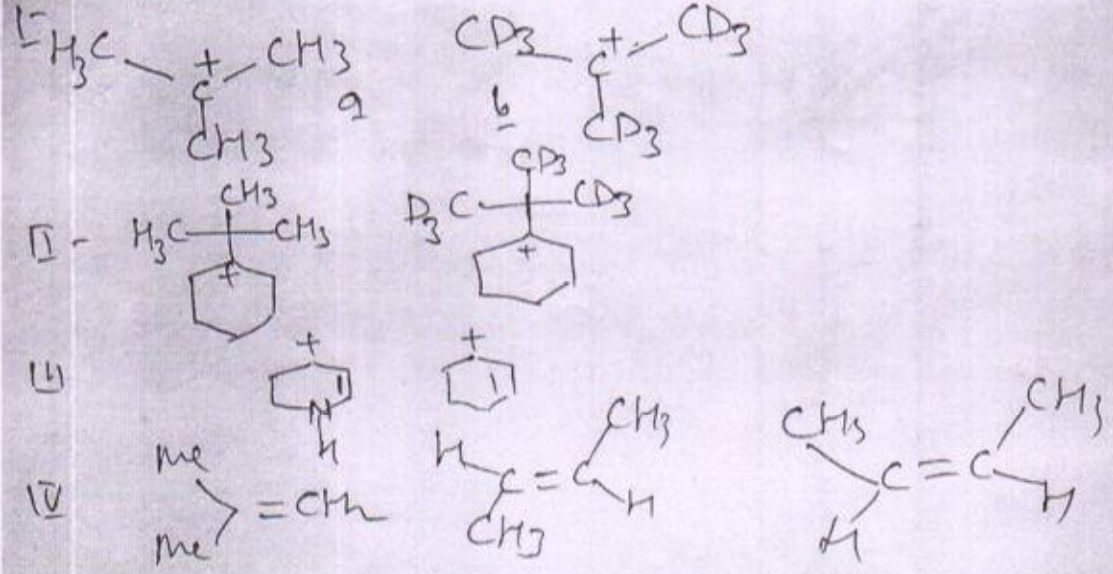
which has more Dipole Moment.



Que- which will react  $\text{NaHCO}_3$ ,  $\text{NaOH}$  and  $\text{NaNH}_2$

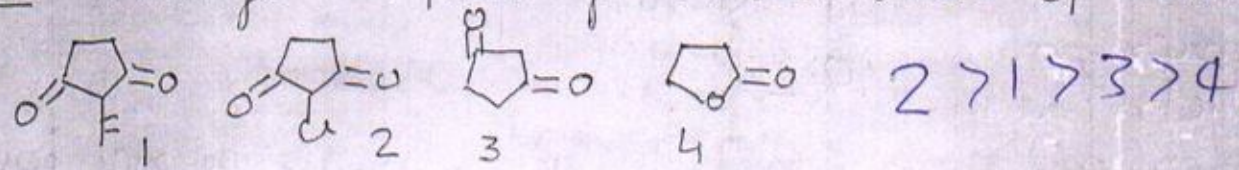


Que- which is more stable.

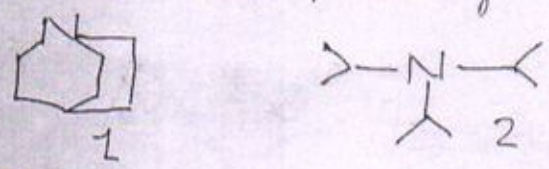




Que Arrange the following in dec. order of Acid strength



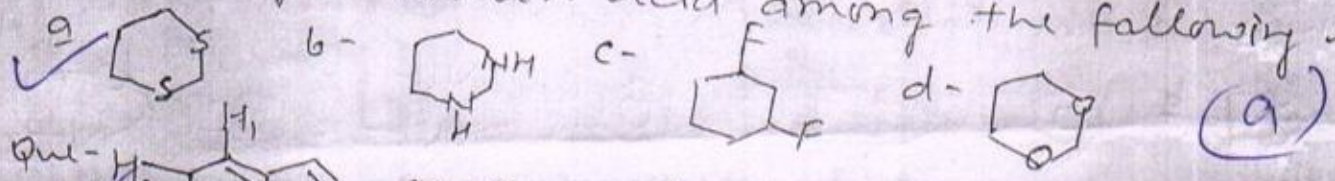
Que- Consider the following two amines



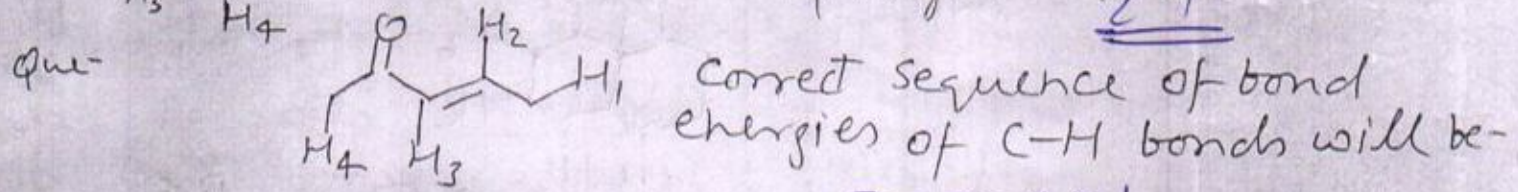
which is correct statement regarding the basic strength of these amines.

- a- Both are equally basic.
- b- 2nd is less basic than 1st b'coz in 1st case amine inversion is not possible. (b)
- 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



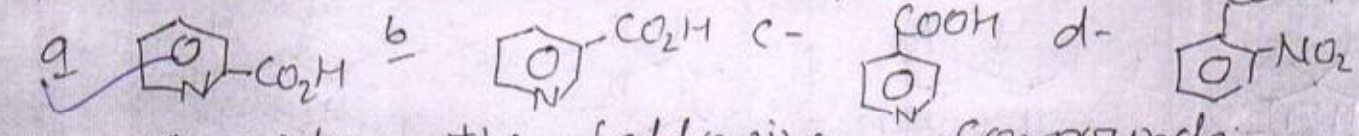
Que- Most acidic Hydrogen. 2nd



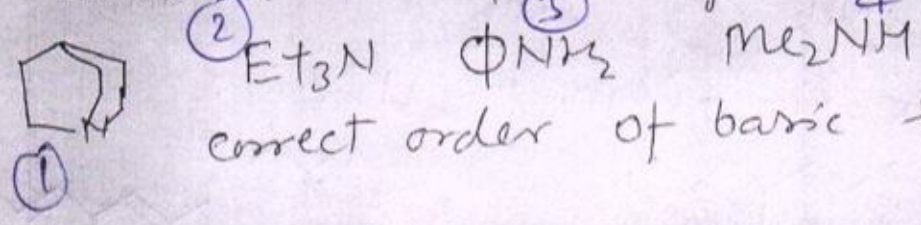
Que- which is more basic.

- a-  $\text{p-NH}_2\text{C}_6\text{H}_4\text{SO}_3\text{H}$
  - b-  $\text{p-NH}_2\text{C}_6\text{H}_4\text{-COOH}$
  - c-  $\text{CH}_2\text{NH}_2$
  - d-  $\text{CH}_2\text{-COOH}$  with  $\text{NH}_2$  group.
- b- Zwitter Ion formation is not possible. (a)

Que- which has maximum pKa?



Que- Consider the following compounds. 1 > 4 > 2 > 3



correct order of basic strength.