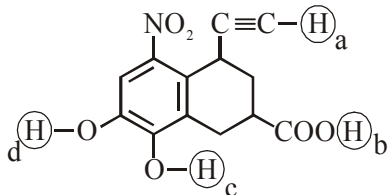
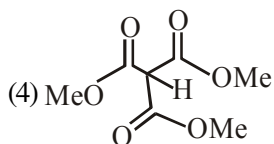
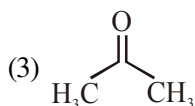
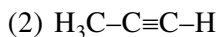
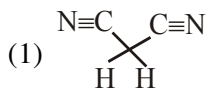


ACIDITY & BASICITY

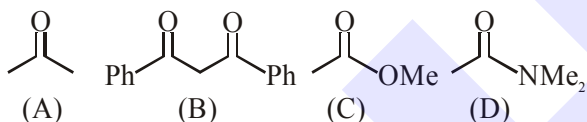
1. निम्नलिखित लेबलित हाइड्रोजनों को अम्लीयता के घटते क्रम में क्रमबद्ध कीजिये -



- (1) $b > c > d > a$ (2) $c > b > a > d$
 (3) $b > a > c > d$ (4) $c > b > d > a$
2. निम्न यौगिकों में से किस में सर्वाधिक अम्लीय हाइड्रोजन है?

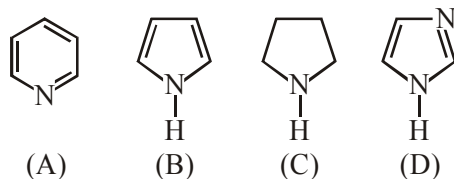


3. निम्न यौगिकों के α -हाइड्रोजन के अम्लीयता का बढ़ता क्रम है :



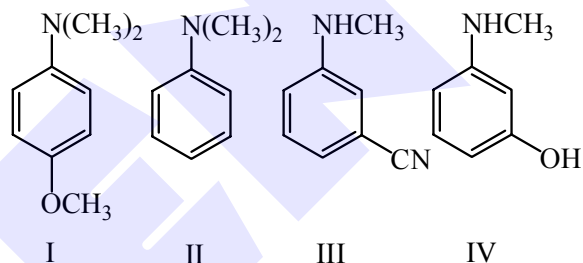
- (1) $(C) < (A) < (B) < (D)$
 (2) $(B) < (C) < (A) < (D)$
 (3) $(A) < (C) < (D) < (B)$
 (4) $(D) < (C) < (A) < (B)$

4. निम्न यौगिकों की क्षारीयता का बढ़ता क्रम है :

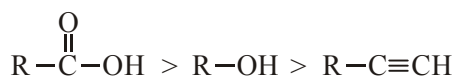


- (1) $(A) < (B) < (C) < (D)$
 (2) $(B) < (A) < (C) < (D)$
 (3) $(D) < (A) < (B) < (C)$
 (4) $(B) < (A) < (D) < (C)$

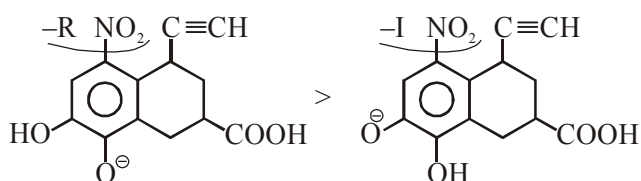
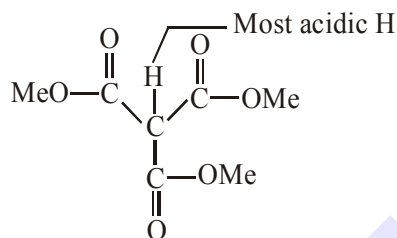
5. निम्न यौगिक के pK_b के मान का बढ़ता क्रम है :



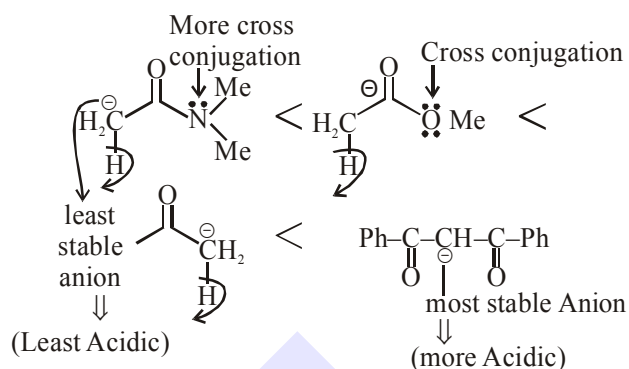
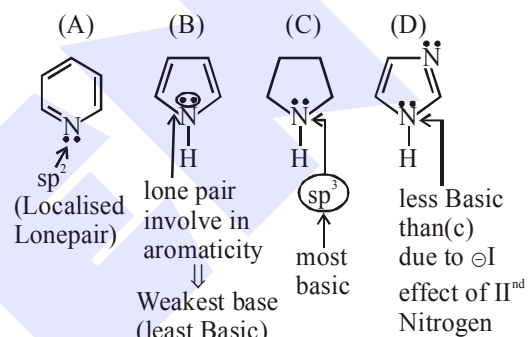
- (1) $I < II < IV < III$ (2) $II < IV < III < I$
 (3) $II < I < III < IV$ (4) $I < II < III < IV$

SOLUTION**1. Official Ans. by NTA (1)****Sol.** Acidic strength order :Reason : $R-\overset{\text{O}}{\parallel}{C}-O^{\ominus}$ stable by equivalent resonance.

Stable :

So answer is $b > c > d > a$.**2. Official Ans. by NTA (4)****Sol.**

Due to presence of 3 (-R) groups

3. Official Ans. by NTA (4)**Sol.** $D < C < A < B$ **4. Official Ans. by NTA (4)****Sol.****5. Official Ans. by NTA (1)**