By- Shailendra Shukla Sir

General Organic Chemistry
Objective Test
Topic- Tautomerism

Time- ½ Hrs **M.M - 40**

Q.1.- Which of the following will not show tautomerism-

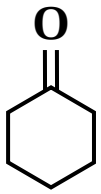
(a) $CH_3-\overset{\overset{O}{\|}}{C}-H$

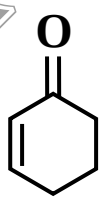
(b) $CH_3-\overset{\overset{O}{\|}}{C}-CH_3$

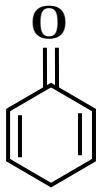
(c) $CH_3-\overset{\overset{O}{\|}}{C}-CH_2-CH_3$

(d) $H-\overset{\overset{O}{\|}}{C}-H$

Q.2.- Which of the following will not show keto-enol tautomerism-

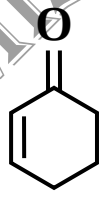
(a) 

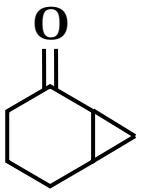
(b) 

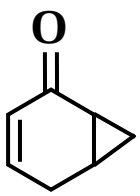
(c) 

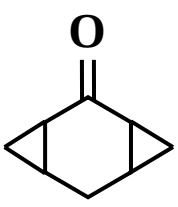
(d) 

Q.3.- Which of the following will not show keto-enol tautomerism-

(a) 

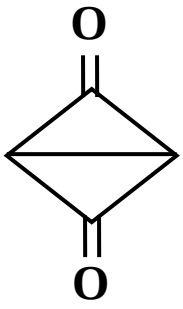
(b) 

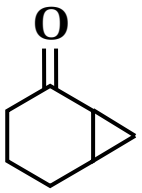
(c) 

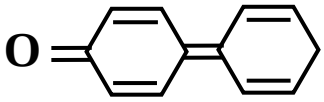
(d) 

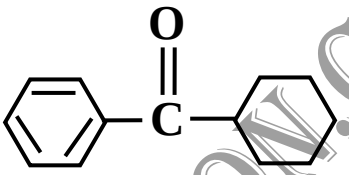
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Q.4.- Which of the following will not show keto-enol tautomerism-

(a) 

(b) 

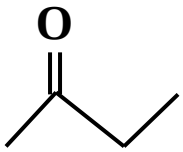
(c) 

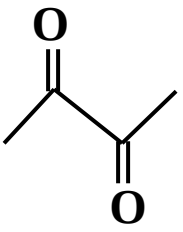
(d) 

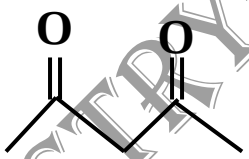
Q.5.- The number of keto-enol tautomers possible for 2-butanone is-

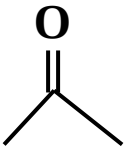
(a) 1 (b) 2 (c) 3 (d) Unpredictable

Q.6.- Which of the following contains the highest content of enol form-

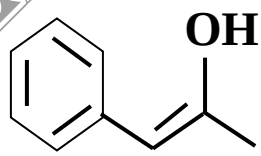
(a) 

(b) 

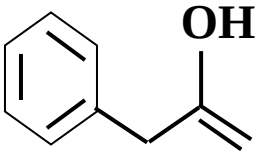
(c) 

(d) 

Q.7. Theoretically following two enol forms are possible for phenyl acetone-



(A)



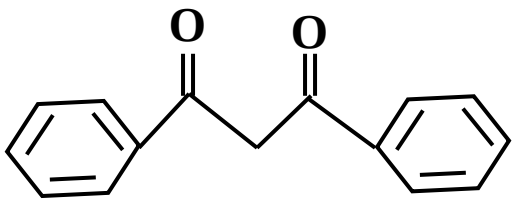
(B)

Which of these two is more stable-

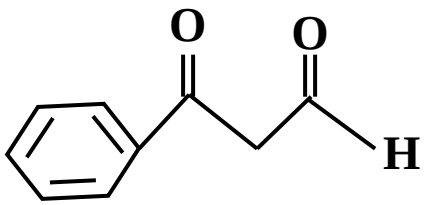
(a) (A) (b) (B)
(c) Both are equally stable (d) Unpredictable

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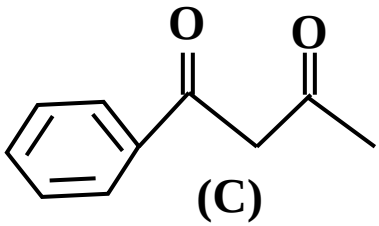
Q.8. Consider following compounds-



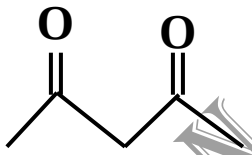
(A)



(B)



(C)

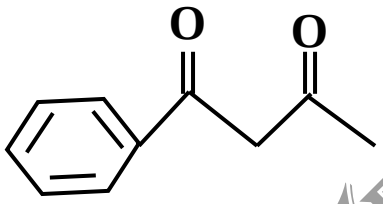


(D)

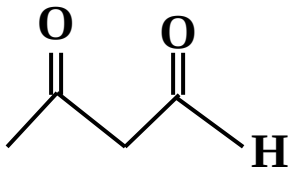
Enol form of which one of these is the most stable-

(a) (A) (b) (B)
(c) (C) (d) (D)

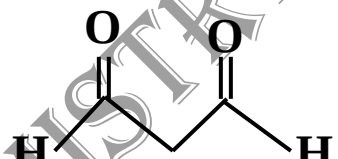
Q.9. Consider following compounds-



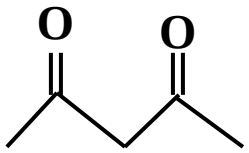
(A)



(B)



(C)



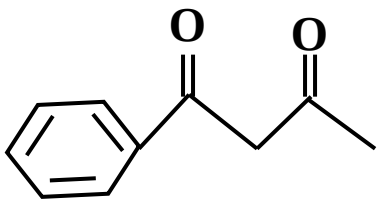
(D)

The correct sequence of enol content in equilibrium mixture is-

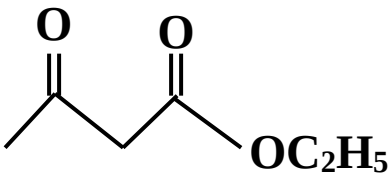
(a) (A) < (B) < (C) < (D)
(b) (A) > (C) > (B) > (D)
(c) (A) < (B) < (D) < (C)
(d) (A) > (B) > (D) > (C)

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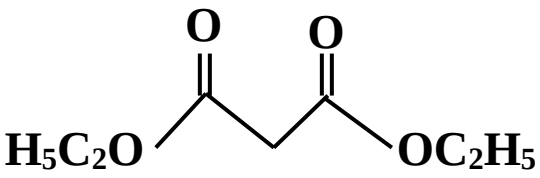
Q.10. Consider following compounds-



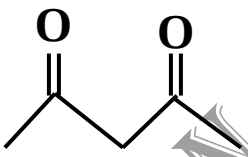
(A)



(B)



(C)



(D)

The correct sequence of enol content in equilibrium mixture is-

(a) (A) < (B) < (C) < (D)
(b) (A) > (D) > (B) > (C)
(c) (A) < (B) < (D) < (C)
(d) (A) > (B) > (D) > (C)

ANSWERS

1. (d)	**2. (d)**	**3. (d)**	**4. (a)**	**5. (c)**
6. (c)	**7. (a)**	**8. (a)**	**9. (b)**	**10. (b)**

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