

CHEMISTRY

PHASE TEST – IV
PAPER – 2

ANSWERS, HINTS & SOLUTIONS

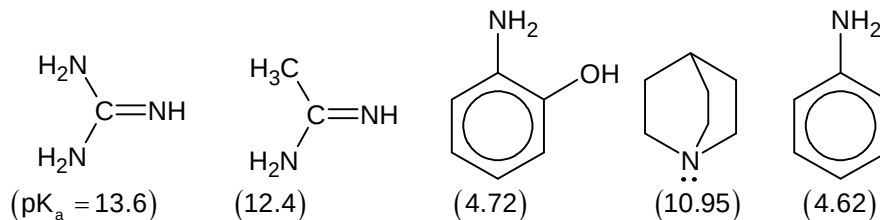
Q. No.	Answers	Q. No.	Answers
1.	A, C	11.	C
2.	A, B, C, D	12.	D
3.	B, C	1.	9
4.	A, B, C, D	2.	6
5.	A, C, D	3.	3
6.	A, B, C	4.	4
7.	B, C, D	5.	3
8.	A, C	6.	1
9.	A	7.	6
10.	B	8.	4

HINTS & SOLUTIONS

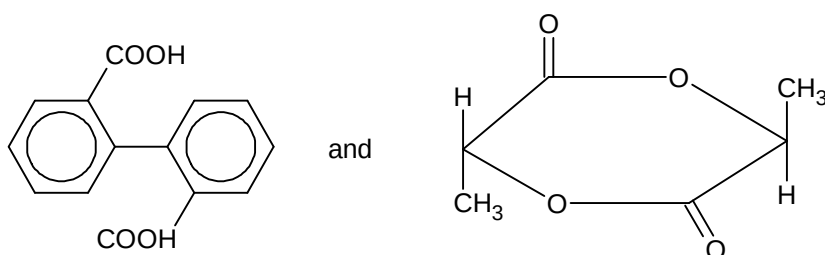
SECTION – A

1. Compounds containing both N and S give blood red colouration in the Lassaigne's test.

2.



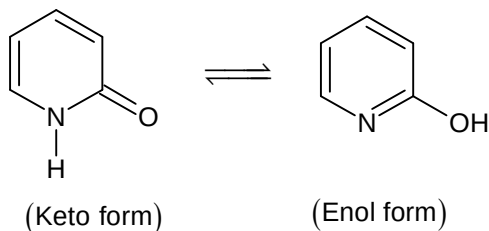
3.



are achiral and optically inactive.

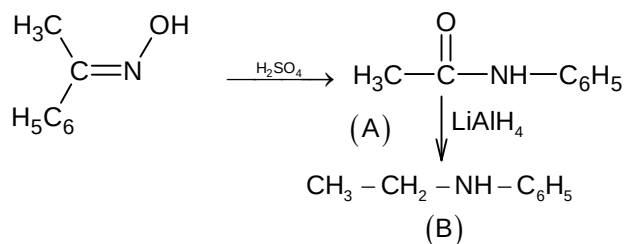
4. Compound (A) is cellobiose. It is a disaccharide.

5.

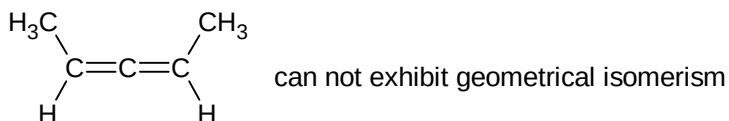


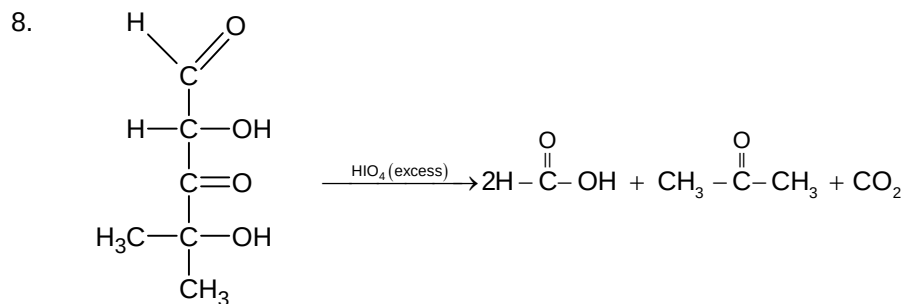
Enol form is more stable than keto form because the enol form is aromatic.

6.

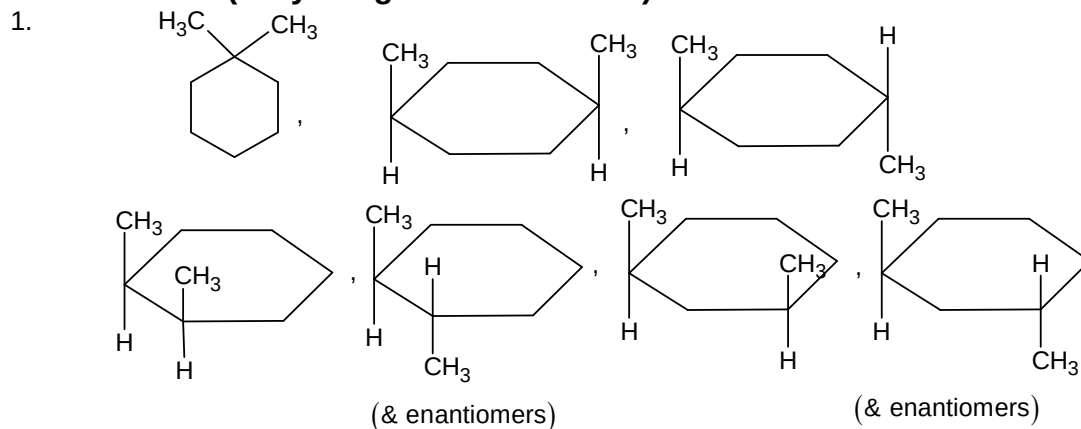


7.

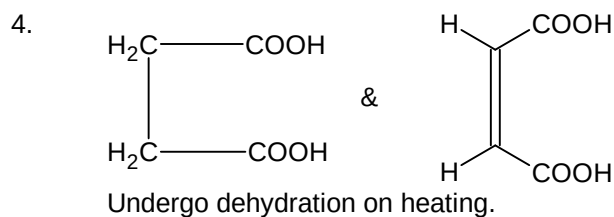
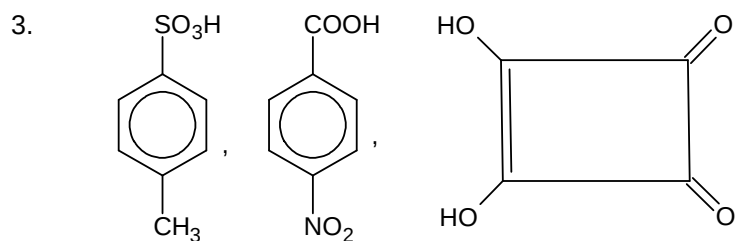
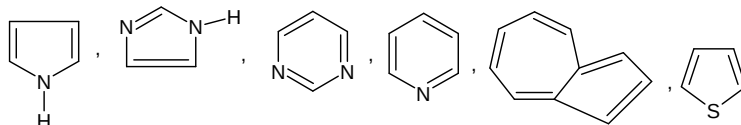




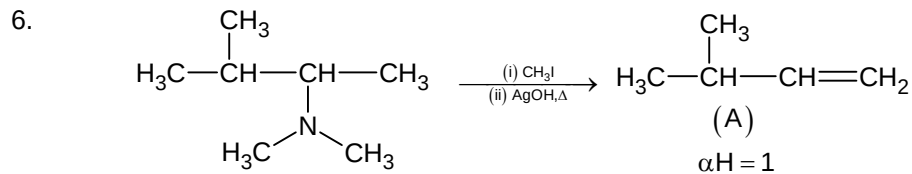
SECTION – C: (Only Integer Value Answer)



2. The following compounds are aromatic.

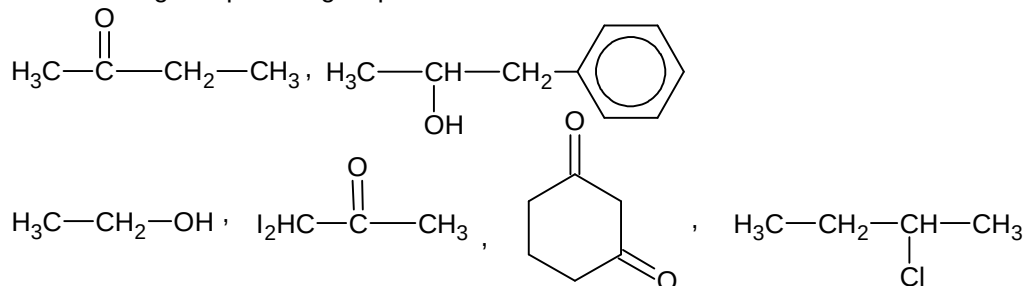


5. 1° amines give carbylamine reaction.



Number of hyperconjugative structure of the compound (A) = 1

7. The following compounds give positive iodoform test.



8. Gauche form of the following compounds is more stable than anti form due to Gauche effect.
 $\text{HO}-\text{CH}_2-\text{CH}-\text{OH}$, $\text{HO}-\text{CH}_2-\text{CH}_2-\text{F}$, $\text{HO}-\text{CH}_2-\text{CH}_2-\text{Cl}$, $\text{F}-\text{CH}_2-\text{CH}_2-\text{F}$