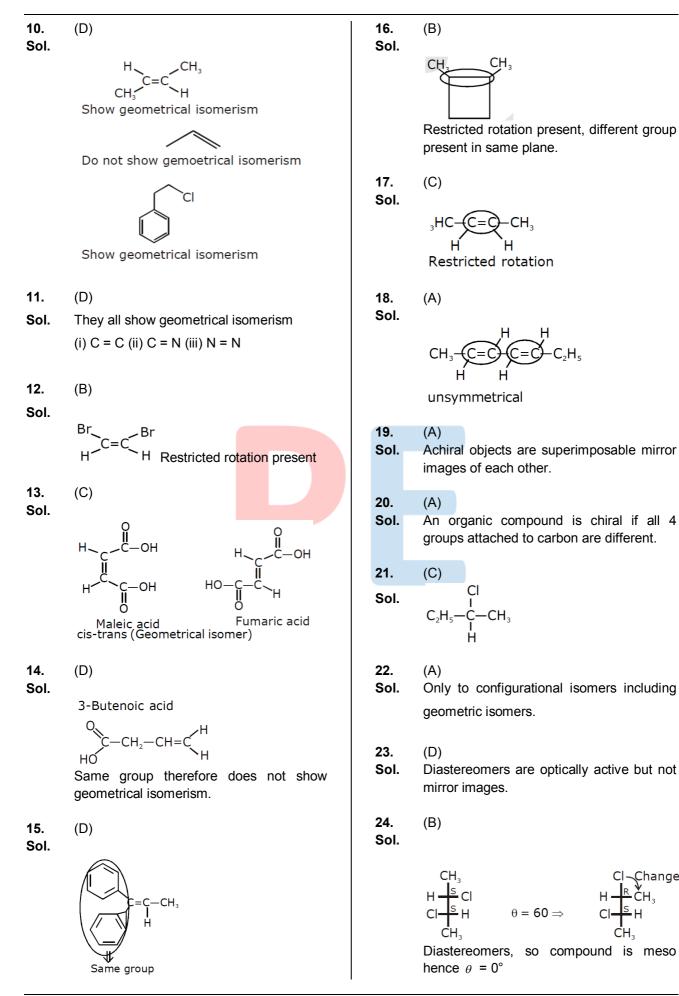
## **NEET ANSWER KEY & SOLUTIONS**

SUB	FCT ·-	CHEMI	STRY	N	EET AN	SWERI	KEY &	SOLUTIO	JNS					
SUBJECT :- CHEMISTRY CLASS :- 11 <sup>th</sup>								PAPER CODE :- CWT-10						
	PTER :-		RISM											
		_			( • )	ANSW						_		
1. 8.	(D)	2.	(C)	3. 10.	(A)	4.	(C)	5.	(B)	6. 13.	(B)	7.	(C)	
о. 15.	(C) (D)	9. 16.	(A) (B)	10. 17.	(D) (C)	11. 18.	(D) (A)	12. 19.	(B) (A)	13. 20.	(C) (A)	14. 21.	(D) (C)	
22.	(D) (A)	23.	(D)	24.	(B)	25.	(A)	26.	(C)	27.	(C)	28.	(B)	
29.	(D)	30.	(A)	31.	(E)	32.	(A)	33.	(B)	34.	(C)	35.	(C)	
36.	(C)	37.	(A)	38.	(A)	39.	(A)	40.	(D)	41.	(A)	42.	(D)	
43.	(D)	44.	(B)	45.	(B)	46.	(A)	47.	(A)	48.	(C)	49.	(D)	
50.	(D)					SOL 1	JTION	2						
						3010	5.		)					
1.	(D)	SI		-A				ol.	·					
	(2)	0			0						CH.	$\rightarrow$		
Sol.					11				$\frown$			$\bigwedge$		
		$CH_3 - CH_2 - C - H$ $CH_3 - C - CH_3$												
	Propioaldehyde Acetone							Cyclopentane ′ Methyl Cyclopentane cyclobutane					Ethyl cyclopropane	
	Aldeh	Aldehyde and ketone can show functional										сусюрі	opane	
	isome	erism.							$\times$					
								Z			/	$^{\prime}$		
2.	(C)								1,2 Dimethyl ' 1,1-Dimentyl cyclopropane					
Sol.									clopropa	ane				
	H C	Н Н   / =C-C—Н	г 4	$^{}\times$			6.		)					
	н	Υ Ή	Н—	$\Delta_{+}$			S	ol.	0					
	Pr	opene	Cycl	opropen				1:	> /0	$\checkmark$				
	They	both	have	differen	nt mole	ecular		2.						
	formu	ıla.						۷.		$\sim$	$\mathbf{i}$			
								3:	> /0	$\checkmark$				
3.	(A)													
Sol.	011 0							(C) ol.	)					
		он о І ІІ							CH. CH		H-NH-			
		Сн₂-Сӊ₂-сс-Он							(1) $CH_3 CH_2 CH_2 CH_2 NH_2$ (2) $C_2H_5 - N - C_2H_5$					
	Ălco	3 2 1 Alcohol is present							F					
	at 3 <sup>rd</sup> carbon									H <sub>3</sub>				
		OH O						(3)	С <sub>2</sub> H <sub>5</sub> – 1 сн					
		-ĊH₂ -Ċ						(4)		<sup>13</sup> Н– СН <sub>2</sub> –	NH,			
	Alco	3 2 1 Alcohol is present								2	2			
	at 2	<sup>nd</sup> carbo	on				8	(C) ol.	)					
		(C)							Polyvalent bridge group with different alkyl					
4. Sol.	(C)									ichment,				
001.		$ \begin{array}{c} A \\ \downarrow \\ \downarrow$							)					
									0					
									/ / /	$\langle \mathbf{n} \rangle_{\mathbf{n}}$	$\sim$	metar	ners	
	Ortha								• • Viethyleth	or n-Pro	• pyl metl	nyl		
	Ortho	isomer	meta Isor	ner Para	Isomer					ether		-		

ether



2

Change

34. (C)Sol. A, B, D contain more repulsion due to methyl group.

**35.** (C)

**Sol.** Different alkyl radical arrangement in bridging polyvalent atom.

## SECTION-B

36. (C) Sol. The simplest ketone is acetone i.e. CH<sub>3</sub>-CO– CH<sub>3</sub> (No arrangment possible) Next is  $CH_3 - CH_2 - C - CH_3 \leftrightarrow$ If 5-C then 0 CH<sub>3</sub>- $-CH_2-CH_2-CH_3$ 37. (A) Sol. Metamers have some general formula but different arrangement of chains across functional group. 38. (A) Sol. COOH -OH H -OH H COOH P.O.S (Plane of Symmetry) Present

39. Sol. (A)

$$\begin{array}{cccc} COOH & COOH \\ I & I \\ HO-C-H & H-C-OH \\ I & I \\ HO-C-H & HO-C-H \\ HO-C-H & HO-C-H \\ I & I \\ HO-C-H & HO-C-H \\ I & I \\ COOH & COOH \\ (-) & (+) \\ COOH & COOH \\ (-) & (+) \\ COOH & COOH \\ I & I \\ H-C-OH & H-C-OH \\ H-C-OH & HO-C-H \\ I & I \\ H-C-OH & HO-C-H \\ I & I \\ COOH & COOH \\ H-C-OH & HO-C-H \\ I & I \\ COOH & COOH \\ I & I \\ I & I \\ COOH & COOH \\ I & I \\ I & I \\ COOH & COOH \\ I & I \\ I & I \\ COOH & COOH \\ I & I \\ I & I \\ COOH & COOH \\ I & I \\ I &$$

one

## **40.** (D)

Sol. A and R false

The two H-atoms on first carbon and the two H-atoms on the third carbon atom lie in perpendicular planes. The central carbon atom is sp-hybridised while terminal carbon atoms are  $sp^2$  – hybridised.

- **41.** (A)
- **Sol.** The boiling point of cis 1,2-Dichloro ethene is higher than that of corresponding trans isomer because 1,2-Dichloro ethene has higher dipole moment as compared to that of the trans isomers.
- **42.** (D)

$$\label{eq:sol} \textbf{Sol.} \quad \begin{array}{c} CH_3-CH_2-Br\\ C_2H_5Br \end{array} \text{ and } \begin{array}{c} CH_3-CH_2-I\\ C_2H_5I \end{array}$$

Two or more compound having the same molecular formula but different functional group are called functional isomer. But here the molecular formula are not same so they are not isomers.

$$\begin{array}{c} \mathsf{CH}_{3} \\ \mathsf{I} \\ \mathsf{CH}_{3} - \mathsf{C} - \mathsf{CH}_{2} - \mathsf{Br} \\ \mathsf{CH}_{3} - \mathsf{CH}_{2} - \mathsf{CH}_{3} \\ \mathsf{CH}_{3} \\ (a) \\ \mathsf{CH}_{3} \\ \mathsf{Br} \end{array} \qquad \begin{array}{c} \mathsf{CH}_{3} \\ \mathsf{I} \\ \mathsf{Br} \end{array}$$

An enantiomer is one of the two molecule that are mirror image of each other and nonsuperimposable.

(a) and (b) are not mirror image of each other

**44.** (B)

	$CH_3 - O - CH_3$	C <sub>2</sub> H <sub>5</sub> OH		
Sol.	Dimethyl ether ,	Ethanol		
	Functional Group:-Ether	Alcohol		

45. (B) Sol.  $C_2H_5 - O - C_2H_5$  can show metamers. They have two metamers 1.  $CH_3 - O - CH_2 - CH_2 - CH_3$ 

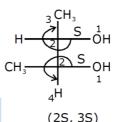
Methyl propyl ether  

$$CH_3 - O - CH - CH_3$$
  
2.  $|$   
 $CH_3$ 

46. Sol. (A)

All 3 carbon have atleast one same group.

## **47.** (A) **Sol.**



Sol. Diastereoisomers have different physical properties.

**50.** (D)

48.

**Sol.** Among the three conformers of ethane (Eclipsed, staggered, gauche) bond angle and bond length remains the same while their energy, stability and dihedral angle are different.