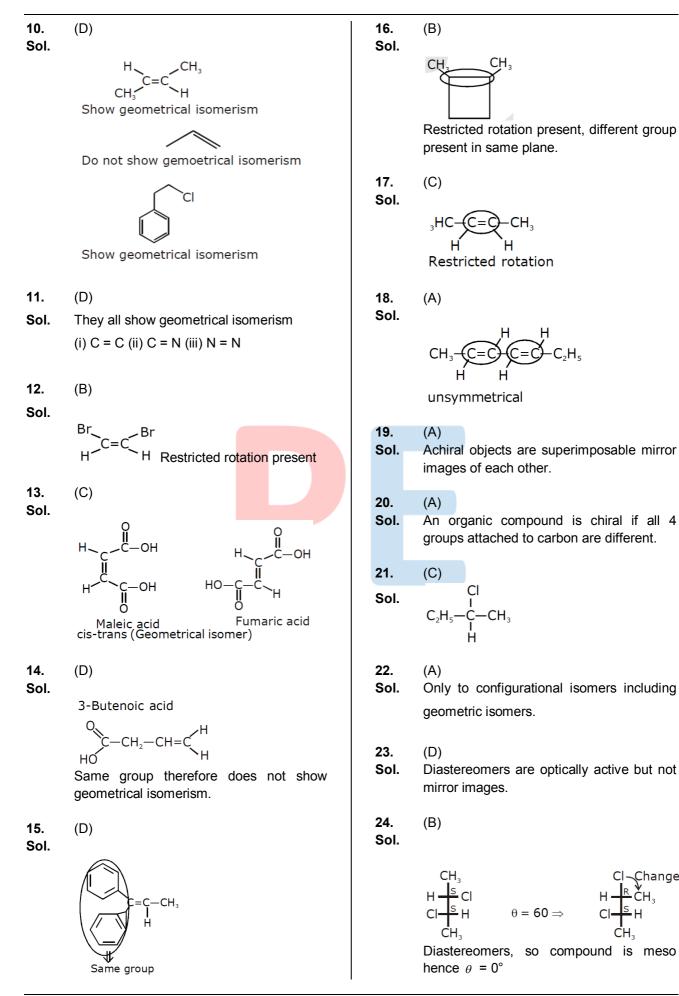
NEET ANSWER KEY & SOLUTIONS

SUB	FCT ·-	CHEMI	STRY	N	EET AN	SWERI	KEY &	SOLUTIO	JNS					
SUBJECT :- CHEMISTRY CLASS :- 11 th								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—	Δ_{+}			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 rd carbon									H ₃				
		OH O						(3)	С ₂ H ₅ – 1 сн					
		-ĊH₂ -Ċ						(4)		¹³ Н– СН ₂ –	NH,			
	Alco	3 2 1 Alcohol is present								2	2			
	at 2	nd 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. CH₃-CO– CH₃ (No arrangment possible) Next is $CH_3 - CH_2 - C - CH_3 \leftrightarrow$ If 5-C then 0 CH₃- $-CH_2-CH_2-CH_3$ 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 ₂ H ₅ 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

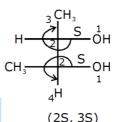
$$CH_3 - O - CH - CH_3$$

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.