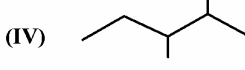
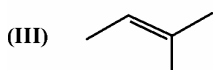
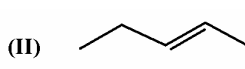
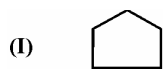


Date Planned : __ / __ / __	Daily Tutorial Sheet-2	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

16. Which among the following will not show chain isomerism ?

- (A) C_3H_8 (B) C_4H_{10} (C) $C_5H_{12}O$ (D) $C_5H_{10}O$

17. Select pair of chain isomers from the following :

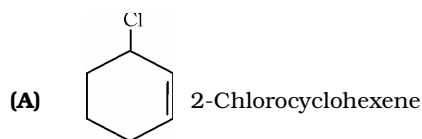


- (A) I and II (B) II and III (C) I and IV (D) I and III

*18. Which among the following compounds will show metamerism ?

- (A) $CH_3OC_3H_7$ (B) $CH_3OC_2H_5$ (C) $CH_3SC_2H_5$ (D) CH_3COOCH_3

*19. Which of the following compounds has been incorrectly named ?



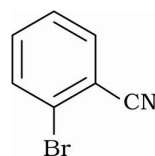
- (B) $(CH_3)_2CHCH_2CH_2Br$ 1-Bromo-3-methylbutane

- (C) $(CH_3)_2C=CH-COOH$ 2-Methylbut-2-enoic acid

- (D)  2-Cyclopropylbutane

20. The IUPAC name of the following compound, is :

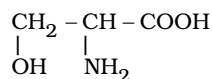
- (A) 2-Bromocyanobenzene
(B) 2-Bromobenzonitrile
(C) 2-Cyanobromobenzene
(D) 6-Bromobenzonitrile



21. The correct decreasing order of priority for the functional groups of organic compounds in the IUPAC system of nomenclature is:

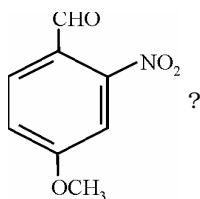
- (A) $-COOH, -CONH_2, -CN, -CHO$ (B) $-CN, -COOH, -CONH_2, -CHO$
(C) $-CHO, -COOH, -CN, -CONH_2$ (D) $-CONH_2, -CHO, -CN, -COOH$

22. The IUPAC name of the compound,



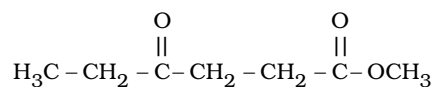
- (A) 2-Amino-3-hydroxypropanoic acid (B) 1-Hydroxy-2-aminopropane-3-oic acid
(C) 1-Amino-2-hydroxypropanoic acid (D) 3-Hydroxy-2-aminopropanoic acid

23. What is the correct IUPAC name of



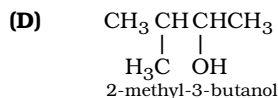
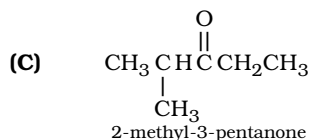
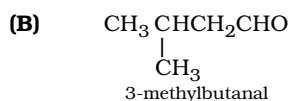
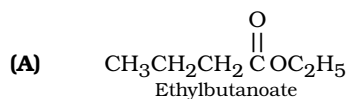
- (A) 4-Methoxy-2-nitrobenzaldehyde (B) 4-Formyl-3-nitroanisole
(C) 4-Methoxy-6-nitrobenzaldehyde (D) 2-Formyl-5-methoxynitrobenzene

24. The IUPAC name of the compound given below is :



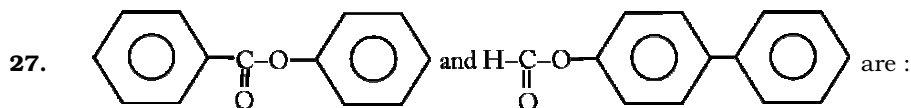
- (A) Ethyl-4-oxoheptanoate (B) Methyl-4-oxoheptanoate
(C) Ethyl-4-oxohexanoate (D) Methyl-4-oxohexanoate

25. Which of the following compounds has incorrect IUPAC nomenclature ?



26. The number of structural isomers for the compound with the molecular formula C_2BrClFI is :
(Excluding geometrical)

- (A) 3 (B) 4 (C) 5 (D) 6

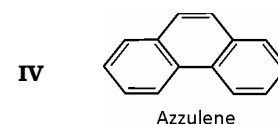
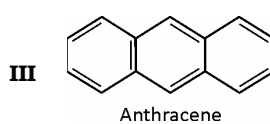
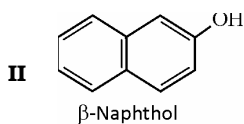
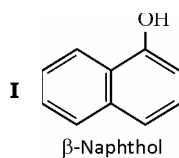


- (A) Position isomers (B) Chain isomers (C) Functional isomers (D) Metamers

28. IUPAC name of the compound is :

- (A) E-3-iodo-4-chloro-3-pentene (B) Z-2-Chloro-3-iodo-2-pentene
(C) E-2-chloro-3-iodo-2-pentene (D) Z-3-Iodo-4-chloro-3-pentene

29. Which of the following is correctly named ?



The correct option is :

- (A) I, III (B) II, III, IV (C) II, III (D) I, III, IV

30. Match the columns :

Column 1		Column 2	
(A)	$\begin{array}{cc} \text{Cl} & \text{Cl} \\ & \\ \text{CH}_2 & - \text{CH}_2 \end{array}$	(p)	Ethylene oxide
(B)	$\begin{array}{cc} \text{OH} & \text{OH} \\ & \\ \text{CH}_2 & - \text{CH}_2 \end{array}$	(q)	Glycol
(C)	$\begin{array}{c} \text{O} \\ \diagup \quad \diagdown \\ \text{CH}_2 - \text{CH}_2 \end{array}$	(r)	Ethylidene chloride
(D)	$\begin{array}{c} \text{Cl} \\ \\ \text{CH}_3 - \text{CH} - \text{Cl} \end{array}$	(s)	Ethylene chloride