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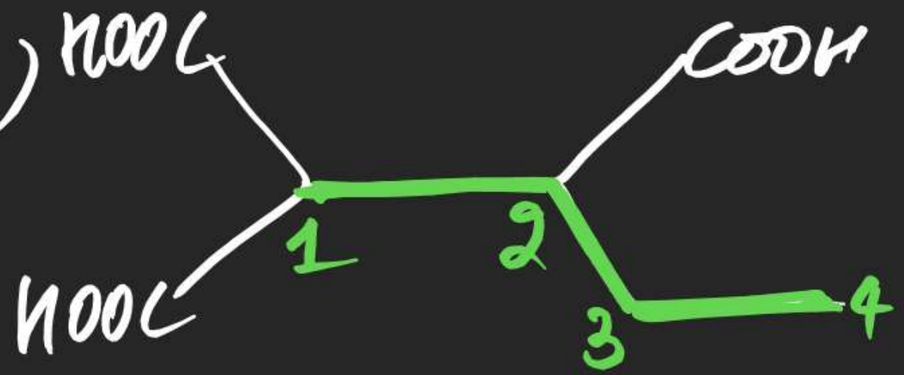
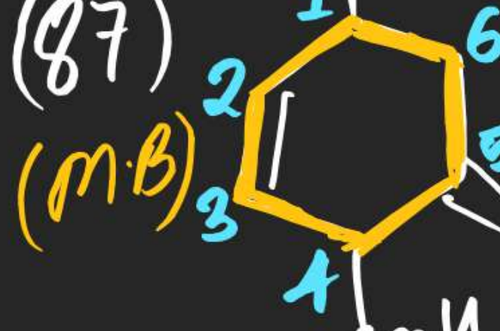
(86) 

Butane-1,1,2-Tri Carboxylic Acid (Boss)

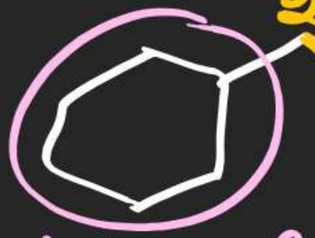
(87) 

(M.B) (Substituent) (Boss)

1° suffix

5-Oxo Cyclohex-2-ene-1,4-Di Carboxylic Acid

Note: If F.groups like $-COOH/-CN/-COOR/-CHO/-COX$ are directly connected with Cyclic segment, then its Carbon is not considered in principal chain & cyclic segment is taken as a principal chain

(88) 

(Boss) oic Acid

2-Cyclohexyl Ethanoic Acid

(89) 

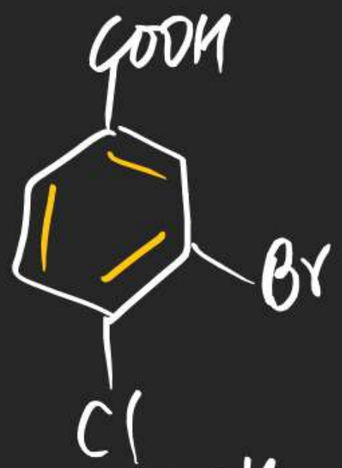
(Boss) Carboxylic Acid

Cyclohexane Carboxylic Acid.

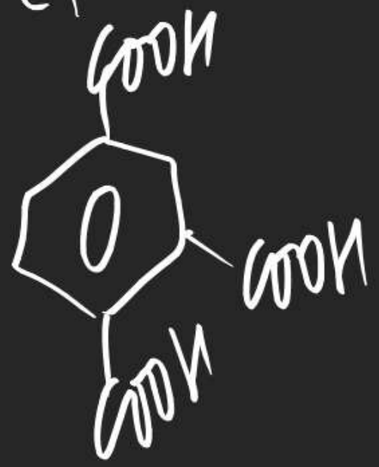
∴

(90)

(91)



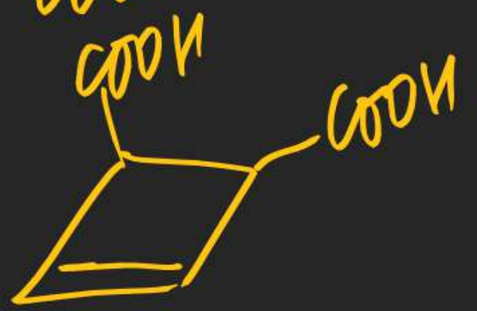
(92)



(93)

(94)

(95)



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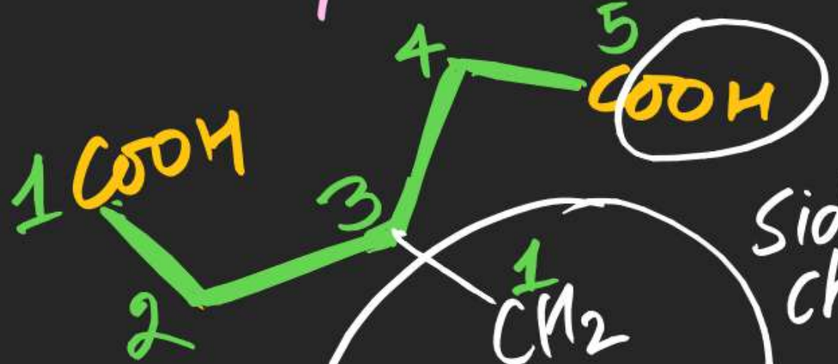
Note: If F.groups like ($-COOH$, $-CN$, $-CHO$, $-COOR$, $-COX$, $-CONH_2$) are present more than twice then follow following guidelines

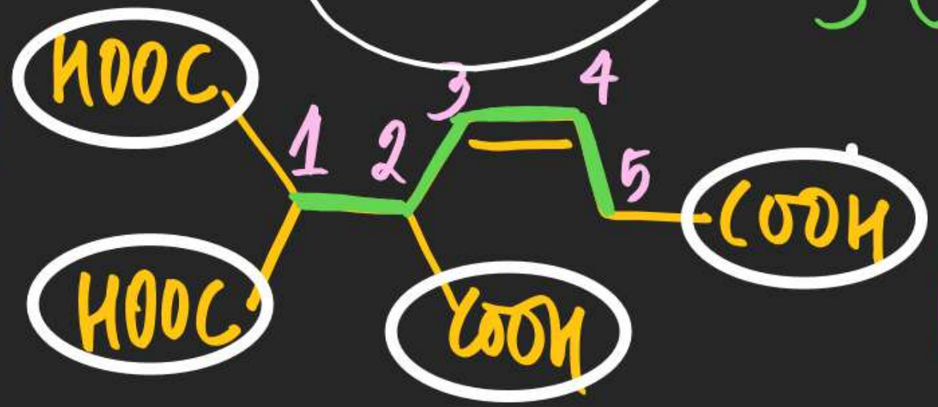
(i) Consider longest Carbon chain without considering Carbon of F.group if all F.groups are directly connected from this chain, then this correct choice for Principal chain otherwise try to find longest Cabon chain with Two F.grups

(96)



3-Carboxy methyle Pentan-1,5-di oic Acid

(97)



Pent-3-ene-1,1,2,5-Tetra Carboxylic Acid

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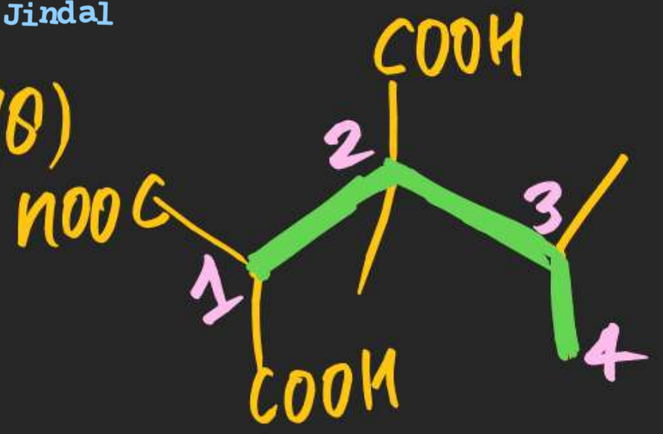
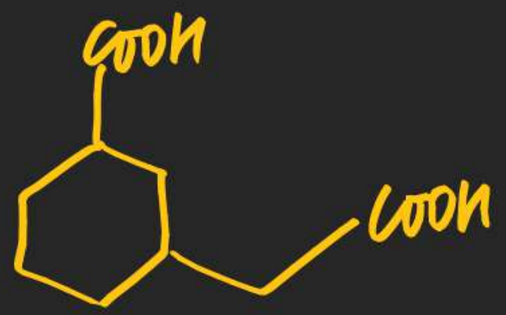
(98)



2,3-Dimethyl Butane-1,1,2-Tri Carboxylic Acid

(99)



(100)

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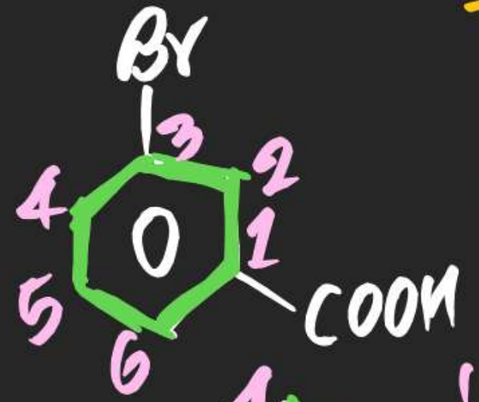
Note :-

Benzene Ring ⟹ Principal chain [1° Prefix + Word R + 1° Suffix] ⇓ Benzene

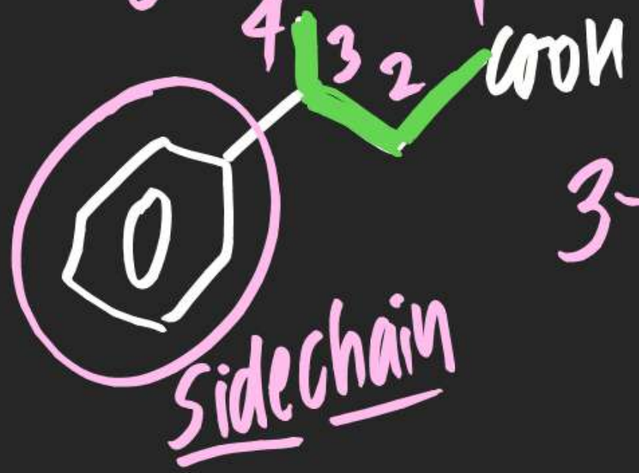
⟹ Side chain 2° Prefix ⇓ Phenyl (Ph)

(101)



3-Bromo Benzene Carboxylic Acid

(102)



3-Phenyl Butanoic Acid

(#) Sulphonic Acid:-

$-SO_3H$ Suffix (Sulphonic Acid)

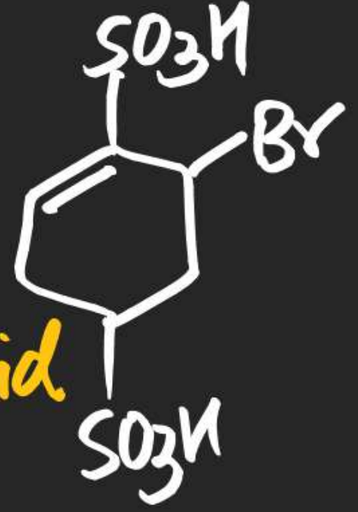
(103) $H_3C-CH_2-SO_3H$

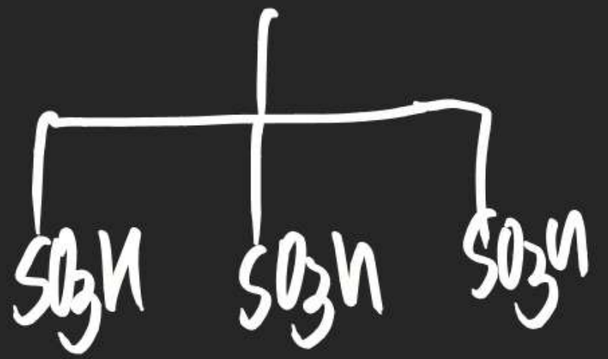
(104) $H_3C-\underset{1}{CH}(SO_3H)-\underset{2}{CH_2}-\underset{3}{CH_3}$ (4) Butane-2-Sulphonic Acid

(105) 

(106) 

(107) 

(108) 

(109) 

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(#) Acid Anhydride :-

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Test paper Analysis (TPA)

	Maths	Physics	OC	IOC	PC
	(24/30)	110 min (25/30)	110 min (8/10)		
7	→ silly mistake				
9	→ Conceptual mistake				
11					
17					
21					
29					