NUCLEUS EDUCATION
Centre of Excellence

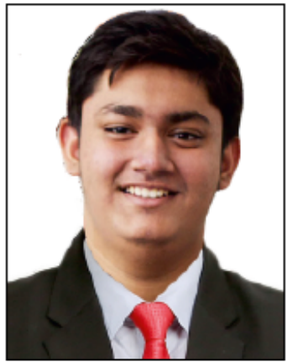
unacademy

IIT – ORGANIC CHEMISTRY

NOMENCLATURE & COMMON NAME

Corporate Office: NAIVEDHYAM, Plot No. SP-11, Old INOX, Indra Vihar,
Kota (Raj.) 324005

RESULTS OF BEST MENTORSHIP BY THE NUCLEUS TEAM



AIR-1
CHITRAANG MURDIA
Gen. Category - 2014

AIR-3
GOVIND LAHOTI
Gen. Category - 2014

AIR-6
NISHIT AGARWAL
Gen. Category - 2012

AIR-8
AMEY GUPTA
Gen. Category - 2014

JEE MAIN RESULTS 2020 (January Attempt) OF NUCLEUS EDUCATION

100 Percentile
(Physics)
DAKSH KHANDELWAL
2020

100 Percentile
(Maths & Physics)
VAIBHAV SAHA
2020

100 Percentile
(Physics)
ANISH MOHAN
2020

100 Percentile
(Maths)
ARCHIT PATNAIK
2020

100 Percentile
(Maths)
SWAPNIL YASASVI
2020

100 Percentile
(Maths)
PARSHANT ARORA
2020

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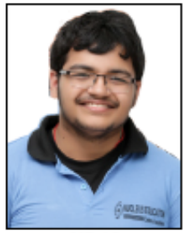
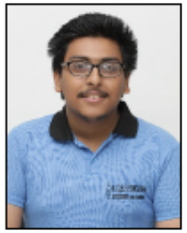
JEE ADVANCED RESULTS OF NUCLEUS EDUCATION



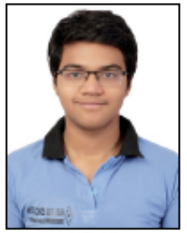
AIR-10
LAKSHAY SHARMA
Gen. Category - 2017

AIR-12
YATEESH AGRAWAL
Gen. Category - 2017

AIR-23
ABHEY GOYAL
Gen. Category - 2017

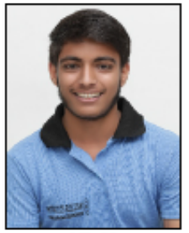


AIR-24
TUSHAR GAUTAM
Gen. Category - 2017



AIR-37
PIYUSH TIBAREWAL
Gen. Category - 2017

AIR-42
SATVIK
Gen. Category - 2017



AIR-66
MAYANK DUBEY
Gen. Category - 2017

AIR-98
HRITHIK
Gen. Category - 2017

AIR-20
SHASHANK AGRAWAL
Gen. Category - 2018

AIR-27
RAAGHAV RAAJ
Gen. Category - 2018

AIR-32
SHREYA PATHAK
Gen. Category - 2018

AIR-61
SIDDHANT CHOUDAHRY
Gen. Category - 2018

AIR-67
ANISWAR S KRISHNAN
Gen. Category - 2018
DLP

AIR-78
AAYUSH KADAM
Gen. Category - 2018

AIR-61
SARTHAK BEHERA
Gen. Category - 2018
*SDCCP

AIR-91
ANDREWS G. VARGHESE
Gen. Category - 2018
*SDCCP

AIR-2
HIMANSHU GAURAV SINGH
Gen. Category - 2019
*SDCCP

AIR-19
VIBHAV AGGARWAL
Gen. Category - 2019

AIR-33
S. PRAJEETH
Gen. Category - 2019
*SDCCP

AIR-48
SOHAM MISTRI
Gen. Category - 2019
DLP

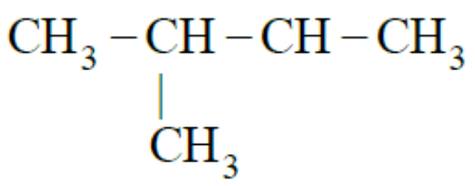
AIR-51
SAYANTAN DHAR
Gen. Category - 2019
DLP

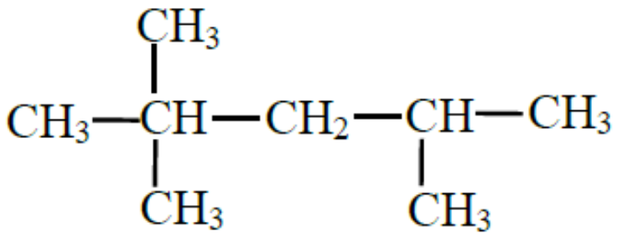
AIR-53
GAURAV KRISHAN GUPTA
Gen. Category - 2019
DLP

AIR-86
SATVIK JAIN
Gen. Category - 2019

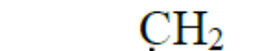
-ESSENTIAL COMMON NAMES-

ALKANE


Isopentane

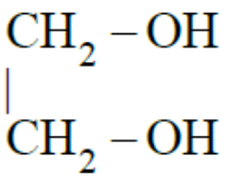

Isooctane

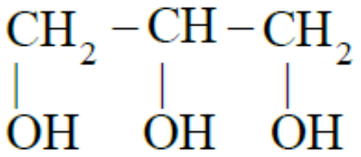
ALKENE

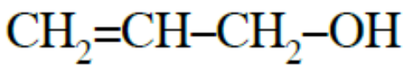

Allene

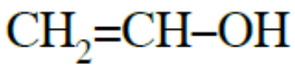
Isoprene

ALCOHOL

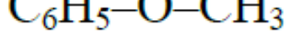

Glycol or Ethylene Glycol


Glycerol


Allyl Alcohol

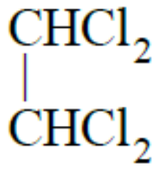

Vinyl Alcohol

ETHER


Anisole
(Methyl Phenyl Ether)

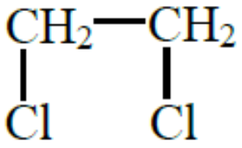
$CH_2=CH-C\equiv CH$ Vinyl acetylene

ALKYL HALIDE


Westron (Solvent)

$ClCH=CCl_2$ Westrosol or Triclean (Solvent)

CH_3-CHCl_2 Ethylidene chloride (gem dihalide)

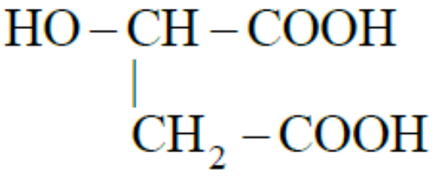

Ethylene Dichloride (Vinyl dihalide)

CH_2Cl_2 Methylene chloride

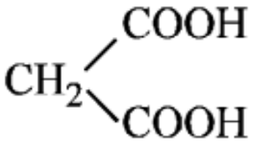
KETONE

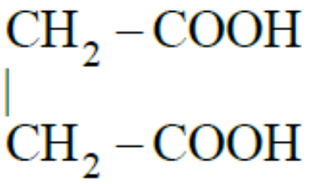
CH_3COCH_3 Acetone

CARBOXYLIC ACID


Malic acid

$HO\,CH_2\,COOH$ Glycolic Acid

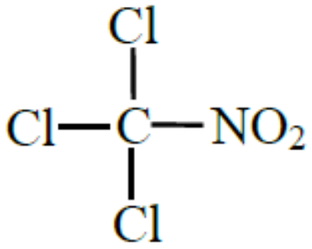

Malonic acid


Succinic acid

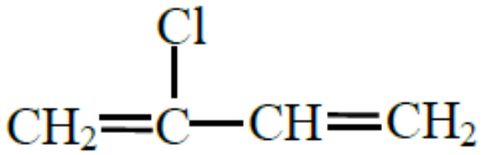
$CHCl_3$ Chloroform

CCl_4 Carbontetra chloride

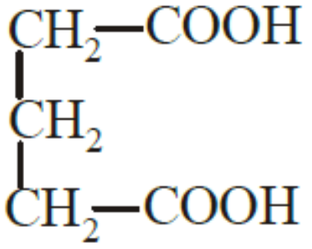
$Cl_2C{=}CCl_2$ Tetraclean or Perclean



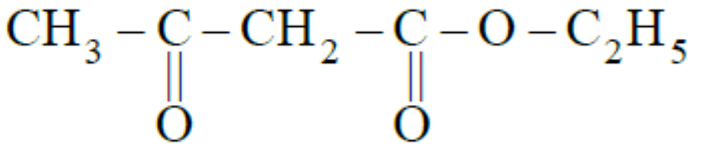
Chloropicrin (Tear gas)



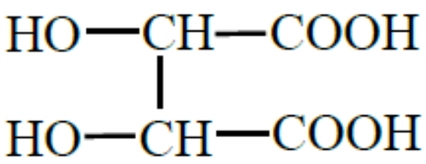
Chloroprene



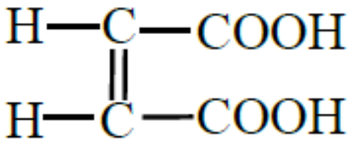
Glutaric acid



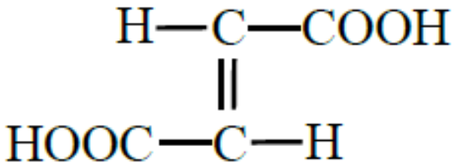
Aceto Acetic Ester (**AAE**)
or Ethyl Aceto Acetate



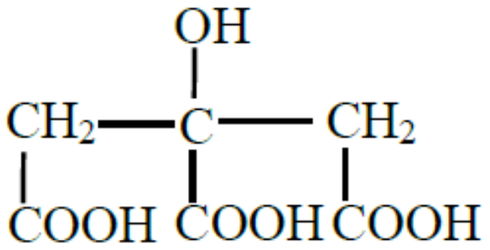
Tartaric acid



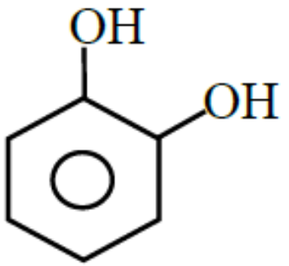
Maleic acid



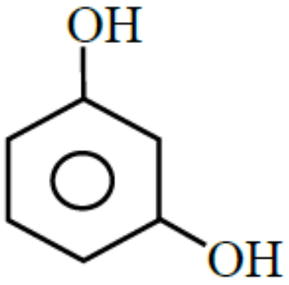
Fumaric acid



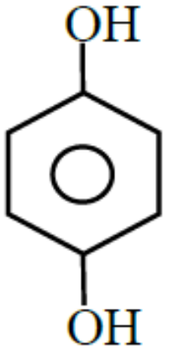
Citric acid



Catechol



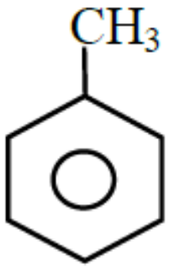
Resorcinol



Quinol

$CH_3–CH=CH–COOH$ Crotonic acid

$Ph–CH=CH–COOH$ Cinnamic acid

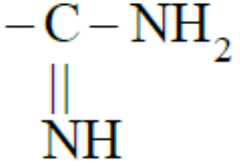


Toluene

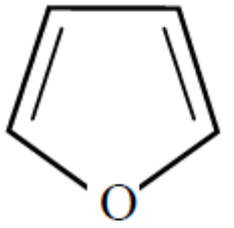
N–DERIVATIVES

$CH_2=CH–C\equiv N$ Vinyl Cyanide or Acrylo Nitrile

Pyrrole



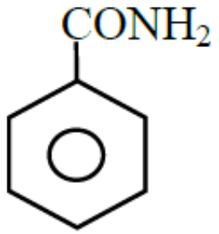
Guanidine



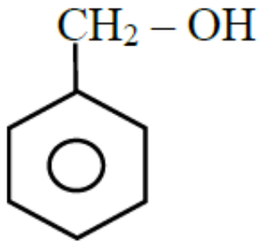
Furan

AROMATIC COMPOUNDS

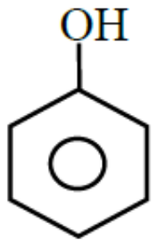
Benzene



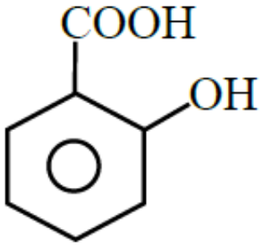
Benzamide



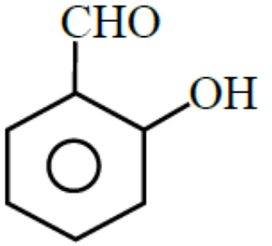
Benzyl alcohol (Aliphatic alcohol)



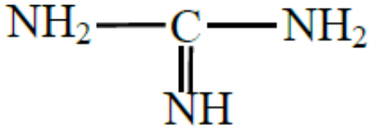
Phenol (Aromatic alcohol)



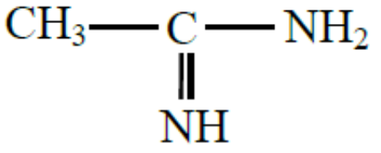
Salicylic acid



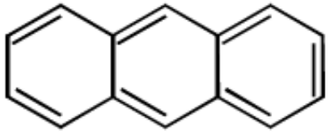
Salicylaldehyde



Guanidine

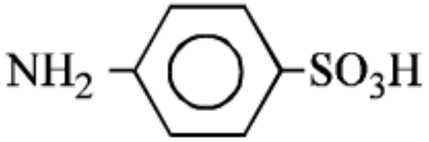


Amidine

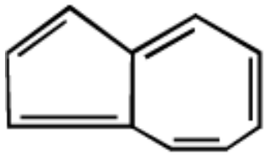


Anthracene

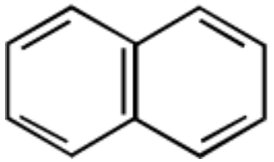
Thiophene



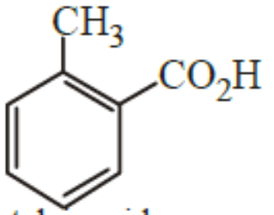
Sulphanilic acid



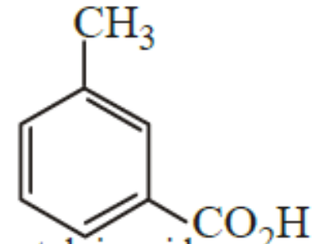
Azulene



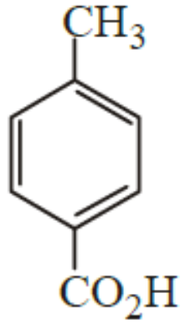
Napthalene



o-toluic acid,
m.p. 105°C

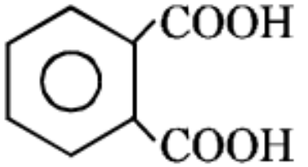


m-toluic acid,
m.p. 111°C

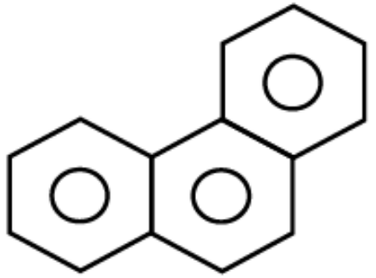


p-toluic acid,
m.p. 180°C

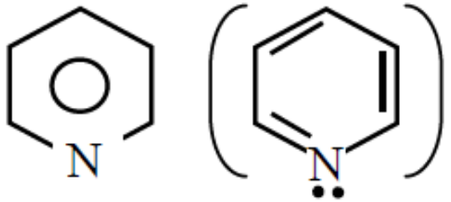
Toluic acids



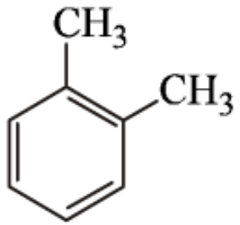
Phthalic acid



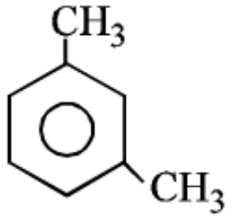
Phenanthrene



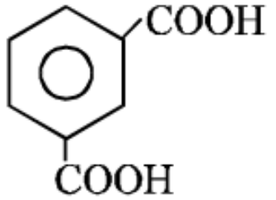
Pyridine



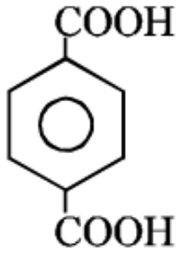
o–xylene



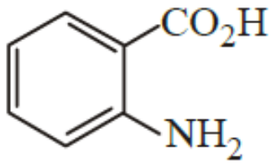
m-xylene



Isophthalic acid

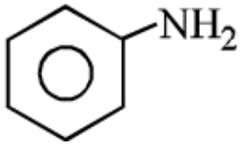


Terephthalic acid

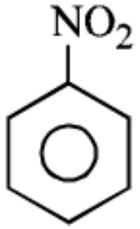


Anthranilic acid (o-aminobenzoic acid)

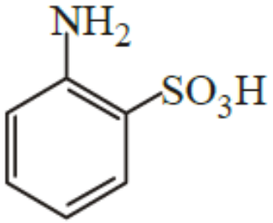
C_6H_5CHO Benzaldehyde



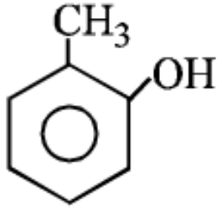
Aniline



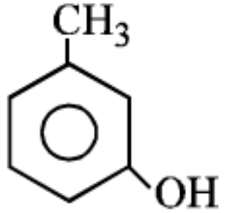
Nitrobenzene (oil of mirbane)



Orthanilic Acid



o-Cresol

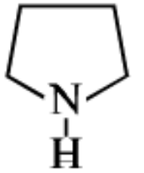


m-Cresol

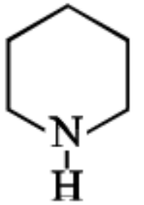
$C_6H_5CO_3H$

Perbenzoic acid

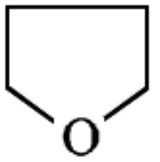
HETROCYCLIC COMPOUNDS



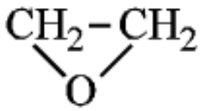
Pyrrolidine



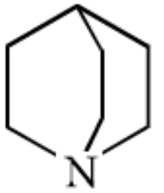
Piperidine



Tetrahydrofuran (THF)



Oxirane or Ethylene Oxide or
Oxo Cyclo Propane

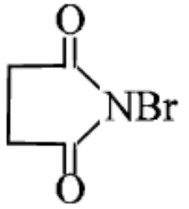


Quinuclidine

SOME REAGENTS

Grignard's reagent RMgX

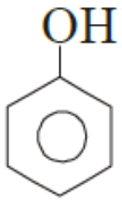
NBS N-Bromosuccinimide



POLAR PROTIC SOLVENTS

H –O–H Water

R–O–H Alcohol



Phenol

POLAR APROTIC SOLVENTS

DMS Dimethyl sulphide $CH_3–S–CH_3$

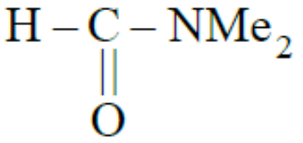
DMSO Dimethyl sulphoxide $Me_2S=O$

HMPT Hexamethylphosphoramide

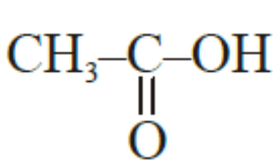
or

HMPTA $O=P–(NMe_2)_3$

DMF Dimethyl formamide

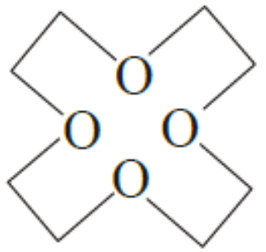


Crown ethers Cyclic polyethers

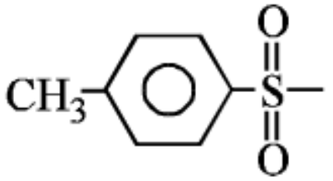

Acetic acid

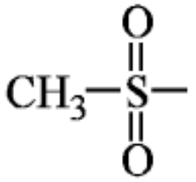
HF Hydrogen Fluoride

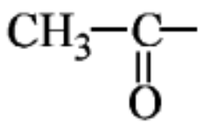
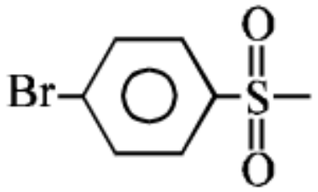
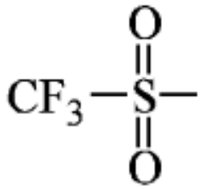
NH_3 Ammonia


(12 – C – 4)

SOME GROUPS

Ts Tosyl 

Ms Mesyl 

Ac	Acyl	
Bs	Brosyl	
Tf	Triflate	

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Result JEE Main

Result Highlights 2019

100 Percentile
HIMANSHU GAURAV SINGH
2019 (*SDCCP)

99.99 Percentile
GAURAV KRISHAN GUPTA
2020 (DLP)

99.98 Percentile
SARTHAK ROUT
2020 (CCP)

99.98 Percentile
VIBHAV AGGARWAL
2019 (CCP)

99.97 Percentile
RITVIK GUPTA
2020 (DLP)

99.97 Percentile
BHAVYA JAIN
2020 (CCP)

99.96 Percentile
AYUSH PATTNAIK
2019 (CCP)

99.96 Percentile
SAYANTAN DHAR
2020 (DLP)

Result Highlights 2018

AIR 29

Sarthak Behera

AIR 36

Shashank Agrawal

AIR 46

Shreya Pathak

AIR 48

Raaghav Raaj

AIR 2 SC

Aayush Kadam

AIR 18 OBC

Gunjan

Result Highlights 2017


AIR 12
Abhay Goyal


AIR 14
Piyush Tibarwal


AIR 20
Abhinav Kumar


AIR 38
Tushar Gautam


AIR 49
Saurav Sahoo


AIR 60
Pratyush

Mentored by Team


AIR 4
Kushal Babel
2014


AIR 15
Gourika Bang
2015


AIR 21
Amit Malav
2013


AIR 24
Suraj Sanjay Jog
2012


AIR 38
Chitraang Murdia
2014


AIR 58
Pulkit Tandon
2012


AIR 68
Kapil Shobhnani
2016


AIR 70
Utkarsh Sinha
2015


AIR 80
S John S
2015