

IIT – ORGANIC CHEMISTRY
NOMENCLATURE & COMMON NAME
EXERCISE # 4

**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

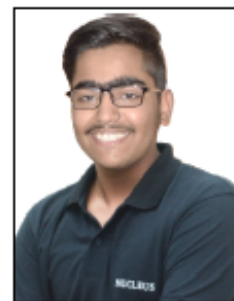


AIR-8
AMEY GUPTA
Gen. Category - 2014

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

JEE ADVANCED RESULTS OF NUCLEUS EDUCATION



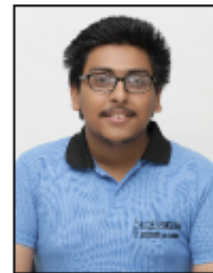
AIR-10
LAKSHAY SHARMA
Gen. Category - 2017



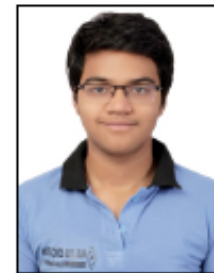
AIR-12
YATEESH AGRAWAL
Gen. Category - 2017



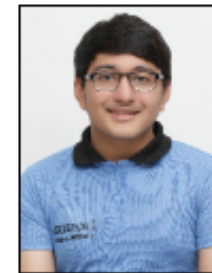
AIR-23
ABHEY GOYAL
Gen. Category - 2017



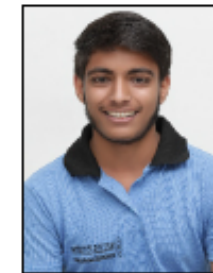
AIR-24
TUSHAR GAUTAM
Gen. Category - 2017



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 CHOUDHARY
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



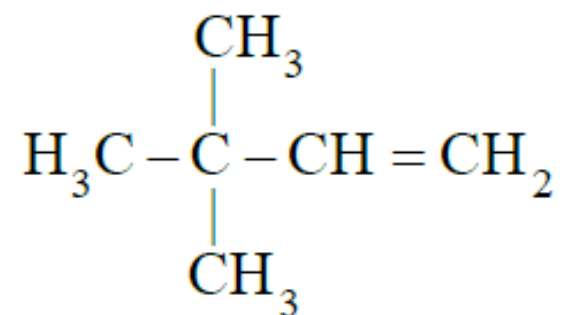
AIR-53
GAURAV KRISHAN GUPTA
Gen. Category - 2019
DLP



AIR-86
SATVIK JAIN
Gen. Category - 2019

EXERCISE - IV

Q.1 The IUPAC name of the compound having the formula is:



(A) 3,3,3-trimethyl-1-propene

(B) 1,1,1-trimethyl-2-propene

(C) 3,3-dimethyl-1-butene

(D) 2,2-dimethyl-3-butene

[JEE 1984]

Q.2 Write the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH} = \text{CH} \cdot \text{COOH}$

[JEE 1986]

Q.3 The IUPAC name of the compound $\text{CH}_2 = \text{CH} - \text{CH}(\text{CH}_3)_2$ is:

(A) 1,1-dimethyl-2-propene

(B) 3-methyl-1-butene

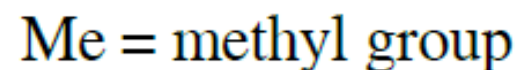
(C) 2-vinyl propane

(D) None of the above

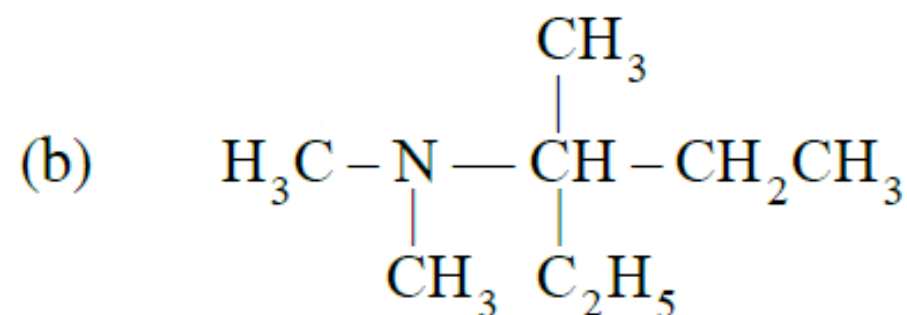
[JEE 1987]

[JEE 1989]

- Q.5 Write I.U.P.A.C name of following:



[JEE 1990]



[JEE 1991]

[JEE 1994]

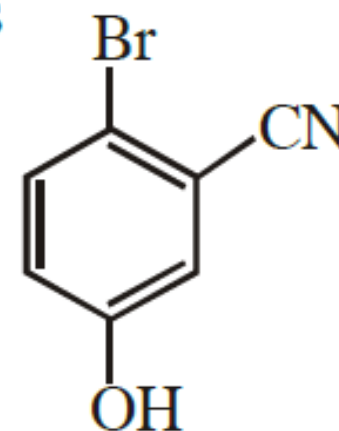
Q.7 The IUPAC name of C_6H_5COCl is

- (A) Benzoyl chloride (B) Benzene chloro ketone
(C) Benzene carbonyl chloride (D) Chloro phenyl ketone

[JEE 2006]

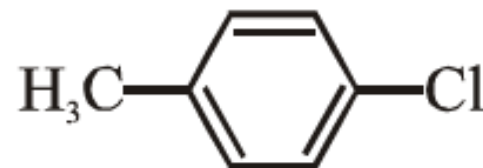
Q.8 The IUPAC name of the following compound is

- (A) 4-Bromo-3-cyanophenol
(B) 2-Bromo-5-hydroxybenzonitrile
(C) 2-Cyano-4-hydroxybromobenzene
(D) 6-Bromo-3-hydroxybenzonitrile



[JEE 2009]

Q.9 The IUPAC name (s) of the following compound is (are)

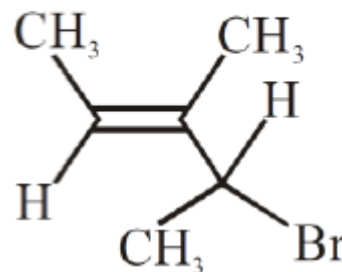


- (A) 4- methylchlorobenzene (B) 4-chlorotoluene
(C) 1-chloro-4-methylbenzene (D) 1-methyl-4-chlorobenzene

[JEE-2017]

10. What is the IUPAC name of the following compound?

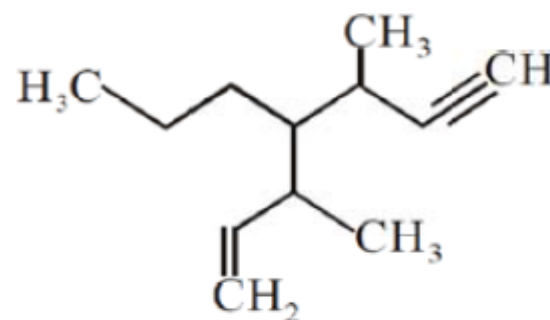
[JEE MAIN-2019]



- (1) 3-Bromo-1, 2-dimethylbut-1-ene
- (2) 3-Bromo-3-methyl-1, 2-dimethylprop-1-ene
- (3) 3-Bromo-3-methyl-1, 2-dimethylprop-1-ene
- (4) 4-Bromo-3-methylpent-2-ene

11. The IUPAC name for the following compound is:

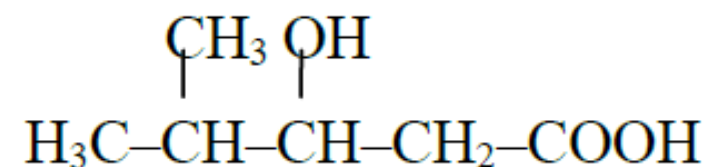
[JEE MAIN-2019]



- (1) 3,5-dimethyl-4-propylhept-6-en-1-yne
- (2) 3-methyl-4-(1-methylprop-2-ynyl)-1-heptene
- (3) 3,5-dimethyl-4-propylhept-1-en-6-yne
- (4) 3-methyl-4-(3-methylprop-1-enyl)-1-heptyne

12. The IUPAC name of the foll

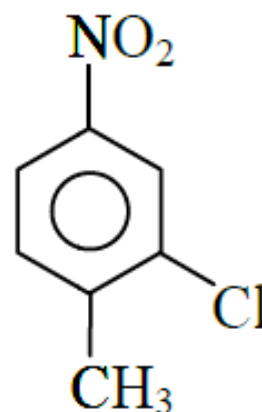
JEE MAIN-2019]



- (1) 4-Methy 1-3-hydroxypentanoic (2) 2-Methy 1-3-hydroxypentan-5-oic acid
(3) 4,4-Dimethyl 1-3-hydroxybutanoic acid (4) 3-Hydroxy-4-methylpentanoic acid

13. The correct IUPAC name of the following compound is:

[JEE MAIN-2019]



- (1) 2-methy 1-5-nitro-1-chloro benzene (2) 3-chloro-4-methyl-1-nitro benzene
(3) 5-chloro-4-methyl-1-nitro benzene (4) 2-chloro-1-methyl-4-nitro benzene

Result JEE Main

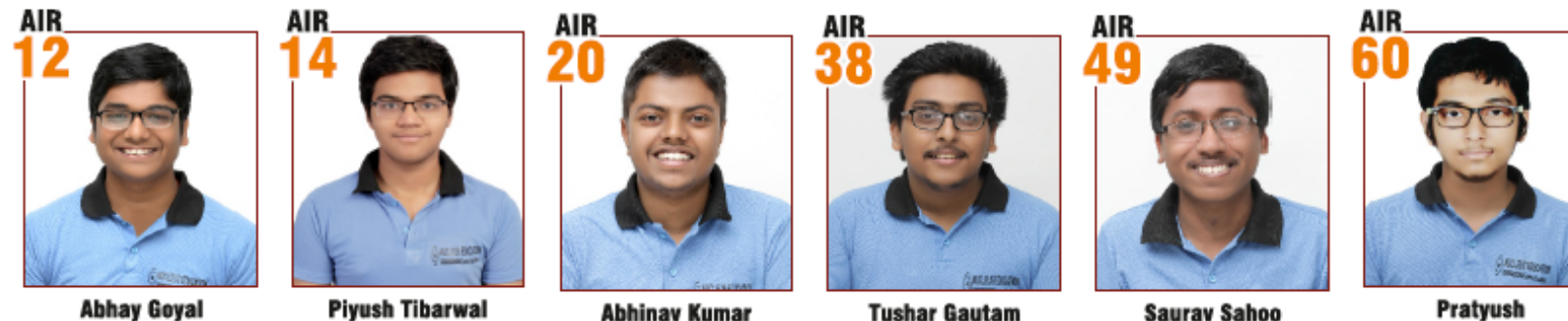
Result Highlights 2019

							
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 (JCP)	99.97 Percentile RITVIK GUPTA 2020 (DLP)	99.97 Percentile BHAVYA JAIN 2020 (CCP)	99.96 Percentile AYUSH PATTNAIK 2019 (JCP)	99.96 Percentile SAYANTAN DHAR 2020 (DLP)

Result Highlights 2018

AIR 29 	AIR 36 	AIR 46 	AIR 48 	AIR 2 SC 	AIR 18 OBC 
Sarthak Behera	Shashank Agrawal	Shreya Pathak	Raaghav Raaj	Aayush Kadam	Gunjan

Result Highlights 2017



Mentored by Team

