

IIT – ORGANIC CHEMISTRY
NOMENCLATURE & COMMON NAME
ANSWER KEY

**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

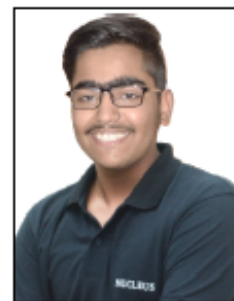


AIR-8
AMEY GUPTA
Gen. Category - 2014

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

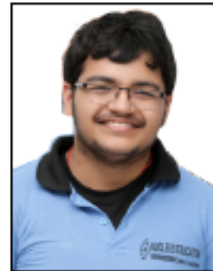


100 Percentile
(Maths)
SWAPNIL YASASVI
2020



100 Percentile
(Maths)
PARSHANT ARORA
2020

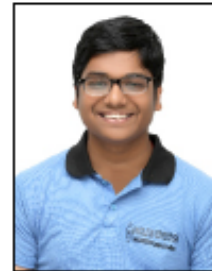
JEE ADVANCED RESULTS OF NUCLEUS EDUCATION



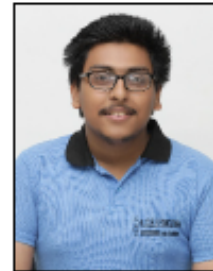
AIR-10
LAKSHAY SHARMA
Gen. Category - 2017



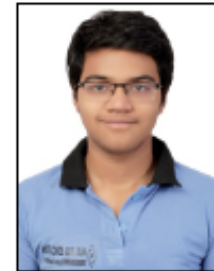
AIR-12
YATEESH AGRAWAL
Gen. Category - 2017



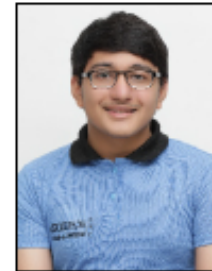
AIR-23
ABHEY GOYAL
Gen. Category - 2017



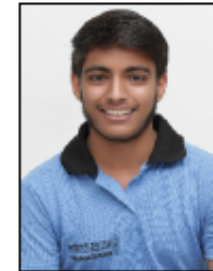
AIR-24
TUSHAR GAUTAM
Gen. Category - 2017



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



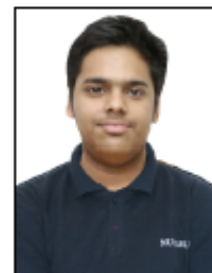
AIR-78
AAYUSH KADAM
Gen. Category - 2018



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

ANSWER KEY

EXERCISE - I

Q.1	B	Q.2	B	Q.3	D	Q.4	D	Q.5	C	Q.6		Q.7	A
Q.8	D	Q.9	A	Q.10	A	Q.11	A	Q.12	B	Q.13	D	Q.14	C
Q.15	B	Q.16	C	Q.17	D	Q.18	B	Q.19	A	Q.20	B	Q.21	C
Q.22	B	Q.23	B	Q.24	D	Q.25	C	Q.26	D	Q.27	D	Q.28	C
Q.29	B	Q.30	B	Q.31	B	Q.32	B	Q.33	B	Q.34	D	Q.35	C
Q.36	B	Q.37	C	Q.38	C	Q.39	B	Q.40	C	Q.41	A	Q.42	D
Q.43	B	Q.44	D	Q.45	B	Q.46	B	Q.47	A	Q.48	B	Q.49	D
Q.50	D	Q.51	C	Q.52	A	Q.53	D						

EXERCISE - II

Q.1 4-Ethyl octane

Q.2 3-Ethyl-2,4-dimethyl pentane

Q.3 5-Methyl hepta-1,3,6-triene

Q.4 Hepta-1,5-dien-3-yne

Q.5 2-Isopropyl-4-methylpent-1-ene

or 4-Methyl-2-(methyl ethyl) pent-1-ene

Q.6 3-Methoxyprop-1-ene

Q.7 1-Hydroxybut-3-en-2-one

Q.8 2-Ethylbut-2-en-1-ol

Q.9 3-nitroprop-2-en-1-ol

Q.10 4-hydroxyhex-5-en-1-yn-3-one

Q.11 4,6-Bis-[1,1-Dimethyl ethyl] Nonane

Q.12 2-Formyl pentane nitrile

Q.13 2,2,6,7-tetramethylocatane

Q.14 3-Ethyl-4,6-dimethyloctane

Q.15 5 Methyl cyclohexa-1,3-diene

Q.16 4-Ethyl Pent-4-en-2-amine

- | | |
|---|--|
| Q.17 1,2-epoxy propane | Q.25 Cyclopent-2-en-1-one |
| Q.18 1,3,4-trimethyl-1-cyclobutene | Q.26 1-(3-butenyl) cyclopentene |
| Q.19 Methylene cyclohexane | Q.27 1,2-diethenyl cyclohexene |
| Q.20 1-ethyl-2-methylcyclopentane | Q.28 1-cyclohexyl-1-propanone |
| Q.21 1-methyl-3-(methyl ethyl cyclohexane)
or 3-isopropyl-1-methylcyclohexane | Q.29 Ethyl cyclohexanecarboxylate |
| Q.22 Butyl cyclohexane | Q.30 4-Bromo-2-ethyl cyclopentanone |
| Q.23 Isopropylidenecyclopentane
or 1-methyl ethylidene cyclopentane | Q.31 3-(hydroxymethyl)-5-methylheptanal |
| Q.24 3-Bromo-4-cyclopropyl cyclopentane
carboxylic acid | Q.32 2-Bromo-6-oxocyclohexanecarbaldehyde |
| | Q.33 5-amino-6(1-methyl propyl)
cyclo-hex-2-enol |

- Q.34** 2-bromo-2-methyl cyclopentanone
- Q.35** Methyl-2-methoxy-6-methyl-3- cyclohexene carboxylate
- Q.36** Bicyclo(2.2.1)heptane
- Q.37** 9-methyl bicyclo(4.2.1) nonane
- Q.38** Bicyclo [3,2,2] Non-6-one
- Q.39** spiro(4.5) decane
- Q.40** 2-Methyl Benzoyl Chloride
- Q.41** 1,3,3-Trimethyl cyclohexene
- Q.42** Bicyclo(2.2.1) heptane
- Q.43** 8-chloro bicyclo(4.2.0) oct-2-ene
- Q.44** 2-cyclopenten-1-ol
- Q.45** Ethyl-2-oxo-cyclo pentane carboxylate
- Q.46** 2-Formyl Benzoic acid
- Q.47** 3-Mthyl Benzoic acid
- Q.48** Cyclohex-2-en-1,4-dione
- Q.49** 2-ethynyl cyclohexanol
- Q.50** 4-chloro-1-cyclopentyl pentane-2-one
- Q.51** 1-Amino methyl-2-ethyl cyclohexanol
- Q.52** 1-propyl-4-isopropyl-1-cyclohexene
or 4-(methyl ethyl)-1-propyl cyclohexene

- Q.53** 2-(2-oxo-cyclohexyl) propanoic acid
- Q.54** 3-ethoxy-1(1-nitrocyclohexyl)-hex-4-en-1-one
- Q.55** 1,3-diphenyl-1,4-pentadiene
- Q.56** 3-Formyl-2,5-dimethyl hexan-1-oic acid
- Q.57** Isopropyl-2-hydroxy-7-methyl oct-5-en-1-oate
- Q.58** 2-(Cycloprop-2-enyl)-5-methyl hex-1-ene
- Q.59** Propyl-2,3-dihydroxy-2methyl butanoate
- Q.60** 3-Carbylamino-2-cyano-4-hydroxy-6-mercapto heptandiamide
- Q.61** 2-Amido-6-chlorocarbonyl-3-methylidene-6-oxo hex-4-enoic acid
- Q.62** 2-Amido/carbamoyl ethanoic acid
- Q.63** 3, 7-Dimethyl-9-(2,2-dimethyl cyclohexyl) nona-2, 4, 6, 8-tetraen-1-ol
- Q.64** Aminomethanoyl chloride
- Q.65** Ethyl, chloromethanoate
- Q.66** 3-Formyl pentandioic acid
- Q.67** 7-Ethanoyloxy-3-ethoxycarbonyl hepta-4, 6 dienoic acid
- Q.68** 2-Mercapto-4-methoxycyclopent-3-enol
- Q.69** 4-Ethoxy-3, 5, 7-trimethyl oct-2, 6 dienol
- Q.70** 2-Ethenyl-2-isocyano propan 1, 3 dinitrile

EXERCISE - III

- | | | | | | | | | | | | |
|------|----------------------------|-----|---|-----|---|------|-----------------------------------|-----|---|-----|---|
| Q.1 | D | Q.2 | C | Q.3 | B | Q.4 | D | Q.5 | C | Q.6 | B |
| Q.7 | (A) Q, (B) S, (C) T, (D) P | | | | | Q.8 | (A) Q, (B) S, (C) R, (D) P | | | | |
| Q.9 | (A) Q, (B) R, (C) S, (D) P | | | | | Q.10 | (A) Q, (B) S, (C) R, (D) P | | | | |
| Q.11 | (A) T, (B) P, (C) S, (D) Q | | | | | Q.12 | (A) R, (B) S, (C) T, (D) Q, (E) P | | | | |
| Q.13 | D | | | | | Q.14 | (A) Q, (B) S, (C) P, (D) R | | | | |

EXERCISE - IV

- | | | | | | | | | |
|------|-----------------------|--------------------------------|---|--------------------------------|-----|------|-----|-----|
| Q.1 | C | Q.2 | $\begin{array}{ccccccc} \text{CH}_3 & - & \text{CH}_2 & - & \text{CH} & = & \text{CH} & - & \text{COOH} \\ 5 & & 4 & & 3 & & 2 & & 1 \end{array}$ | | | | | |
| Q.3 | B | | 2-pentene, 1-oic acid and or 2-pentenoic acid | | | | | |
| Q.4 | B | | | | | | | |
| Q.5 | (a) | 5,6-diethyl-3-methyl-dec-4-ene | (b) | N,N, 3-trimethyl-3-pentanamine | | | | |
| Q.6 | Butane-1,4-dioic acid | | Q.7 | C | Q.8 | B | Q.9 | B,C |
| Q.10 | (4) | Q.11 | (3) | Q.12 | (4) | Q.13 | (4) | |

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



Sarthak Behera



Shashank Agrawal



Shreya Pathak



Raaghav Raaj

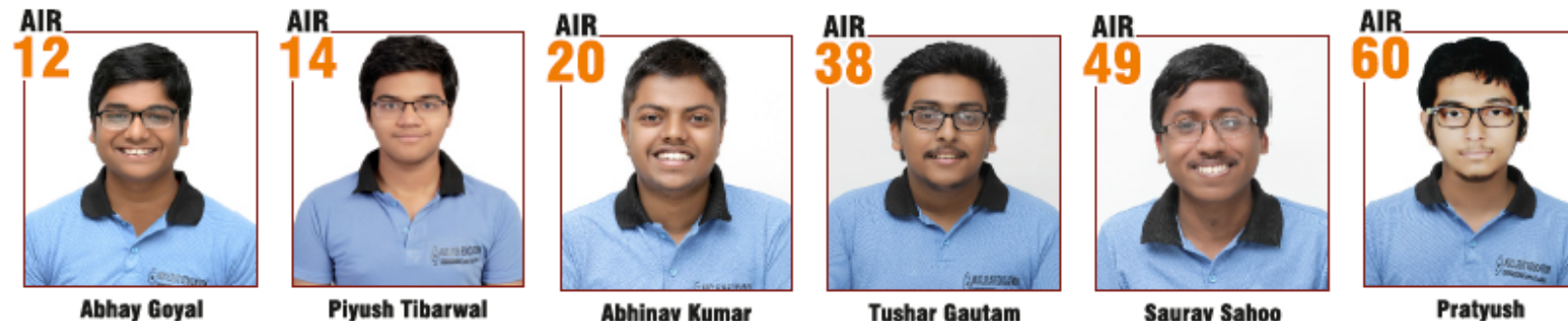


Aayush Kadam



Gunjan

Result Highlights 2017



Mentored by Team

