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SAMPLE PAPER · 2026



ZEST

Zigyan Entrance Cum Scholarship Test

FULL SYLLABUS TEST

Class 10th → 11th

PCB · Physics, Chemistry, Biology

60 questions · **240 marks** · single-correct objective

ZEST is open to students of Classes **VIII** **IX** **X** **XI**

₹200	48 hrs	Up to 100%	Online or Offline
Registration fee	Result after the attempt	Scholarship waiver	CBT, or at Sector 16 centre

WHAT THIS PAPER COVERS

Physics	Chemistry	Biology
Q. 1–20	Q. 21–40	Q. 41–60

Register for ZEST — ₹200

Scan, or visit www.zigyan.com/scholarship/zest

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JEE 2026 RESULTS

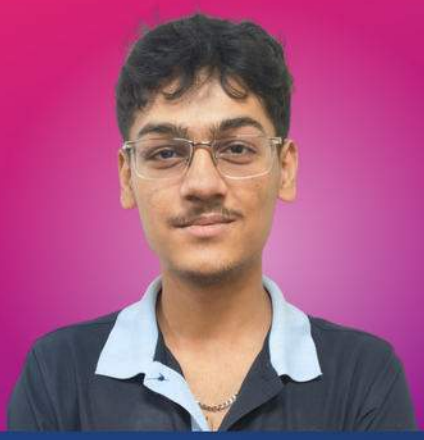
OUR TOPPERS

When talent meets the right guidance.

Saksham Bishnoi and Sulokya Bibhuty - our JEE 2026 toppers from Zigyan, Sector 16 - with the programme they took and the rank they earned.



Rahul Kaushik Sir
Founder & Director, Zigyan Eduvision
23 years of teaching



Saksham Bishnoi

4 YEARS CLASSROOM

JEE ADVANCED 2026	JEE MAIN 2026
AIR 168	AIR 811
	99.95 percentile



Sulokya Bibhuty

3 YEARS CLASSROOM

JEE ADVANCED 2026	JEE MAIN 2026
AIR 1,315	AIR 1,095
	99.94 percentile

OLYMPIAD RESULTS

Above the Minimum Admissible Score - the national band for the subject

CHEMISTRY

- Sulokya Bibhuty — 3 Years Classroom
- Anay Gupta — 3 Years Classroom
- Akshat Khator — 3 Years Classroom
- Harshit Goyal — 4 Years Classroom
- Hardik Sharma — 3 Years Classroom
- Aarush Kumar — 1 Year Classroom

PHYSICS

- Sulokya Bibhuty — 3 Years Classroom
- Saksham Bishnoi — 4 Years Classroom

ASTRONOMY

- Sulokya Bibhuty — 3 Years Classroom

MATHEMATICS (IOQM)

- Priyanshi — 4 Years Classroom

Saksham Bishnoi qualified the Chemistry Olympiad twice and was selected for the Orientation-cum-Selection Camp at HBCSE, Mumbai.

16 selections in JEE Advanced 2026

16 of 35 students of the batch selected

AIR 168 best JEE Advanced rank

Start where they started.

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PART – 1 : PHYSICS

Single Correct MCQ • Q. 1 – 20 • Maximum Marks : 80

1. A square wire of side 3.0 cm is placed 25 cm in front of a concave mirror of focal length 10 cm, with its centre on the axis of the mirror and its plane normal to the axis. The area enclosed by the image of the wire is :

(1) 7.5cm^2 (2) 6.0 cm^2 (3) 4.0 cm^2 (4) 3.5 cm^2

2. Transparent medium is one:

(1) Which partially allows light to pass through

(2) Which absorbs most of the light

(3) Which allows most of the light to pass through

(4) None of these

3. Speed of light is maximum in:

(1) Air (2) Water (3) Glass (4) Vacuum

4. What should be the distance between an object and a concave mirror of focal length of 20 cm so that a virtual image is produced at the distance of 10 cm from the mirror ?

(1) 6.6 cm (2) 25 cm (3) 12 cm (4) 30 cm

5. Light is :

(1) Transverse wave (2) Longitudinal wave

(3) Mechanical wave (4) Both (2) and (3) are correct

6. Two 1000 W heaters when connected in parallel across 220 V supply produced heat Q_p in time t. If they are connected in series across the same power supply the heat produced in the same time is Q_s. What is $\frac{Q_p}{Q_s}$?

(1) 4 (2) 2 (3) 0.5 (4) 0.25

7. The slope of voltage (V) versus current (I) curve is called:

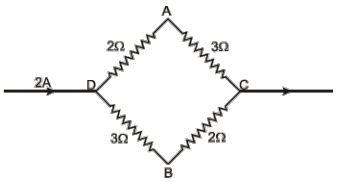
(1) Resistance (2) Conductance (3) Resistivity (4) Conductivity

8. In parallel combination, the effective resistance of the circuit:

(1) Decreases (2) Increases

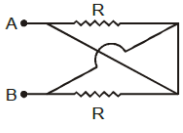
(3) May decrease or increase (4) No particular observation

9. A current of 2 A flows in system of conductors shown in figure. The potential difference $V_A - V_B$ will be :



(1) +1V (2) – 1V (3) +2V (4) – 2V

10. Find equivalent resistance of the combination shown below :



(1) 2R (2) $\frac{R}{2}$ (3) Zero (4) Infinite

11. **Solenoid A:** 20 turns; 50 cm length

Solenoid B: 50 turns; 50 cm length. Both solenoids carry the same current.

Strong magnetic field will be produced by :

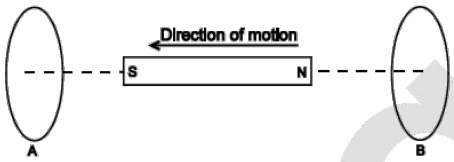
(1) Solenoid A

(2) Solenoid B

(3) Nothing can be said

(4) Both will produce magnetic field of same strength

12. A bar magnet is moved between two coaxial coils A and B, as shown in figure. The end planes of two coils facing the magnet due to induction will behave :



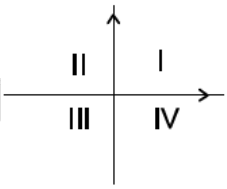
(1) North pole in both the coils A and B

(2) South pole in both the coils A and B

(3) North pole in coil A and South pole in coil B

(4) South pole in coil A and North pole in coil B

13. Choose correct directions of magnetic fields in I, II, III, and IV quadrants.



The x and y axes are two long straight current-carrying wires.

(1) I, II, inwards III and IV - can't say

(2) I, III inwards, IV outwards, II - can't say

(3) IV inwards, II outwards, III and I - cant say

(4) None of these

14. A presbyopic patient has near point as 30 cm and far point 40cm. The dioptric power for the corrective lens for seeing distant object is.

(1) 40D (2) 4D (3) –2.5D (4) 0.25D

15. Match the columns

(i) amount of light entering eye controlled by	(a) rods
(ii) colour sensing cells	(b) cones
(iii) cells helping in vision dim light	(c) iris
(iv) junction of optic nerve and retina	(d) blindspot

(1) i - a, ii – b, iii – c, iv - d (2) i - d, ii – c, iii – b, iv - a

(3) i - c, ii – b, iii – a, iv – d (4) i - b, ii – a, iii – c, iv - b

16. A physical quantity having S.I unit Wb/m^2 is :

(1) magnetic force (2) magnetic field (3) magnetic flux (4) electric flux

17. An alpha particle is emitted by a nucleus. It is projected towards west and is deflected towards north by a magnetic field. The direction of magnetic field is :

(1) downward (2) toward south (3) toward east (4) upward

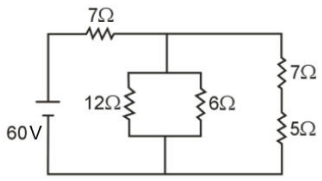
18. The AC Produced in India change its direction in every :

(1) $\frac{1}{100}$ second (2) 100 second (3) 50 second (4) None of these

19. 1 Tesla is equal to :

(1) 10^6 Gauss (2) 10^4 Gauss (3) 10^{-4} Gauss (4) 10^5 Gauss

20. Find out total power supplied by the 60-V source in the circuit shown in figure.



(1) 360 W (2) 200 W (3) 400 W (4) 180 W

PART – 2 : CHEMISTRY

Single Correct MCQ • Q. 21 – 40 • Maximum Marks : 80

21. Covalent compounds are soluble in

(1) Polar solvents (2) Non-polar solvents

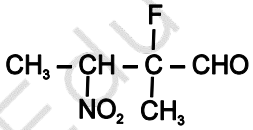
(3) Concentrated acid (4) Water

22. Which of the following is not an example of aromatic compound ?

(1) Benzene (2) Naphthalene

(3) Cyclobutane (4) All are aromatic compound

23. IUPAC name of the following compound is-



(1) 1 - Fluoro - 1- methyl - 2- nitrobutanal (2) 3 - Nitro - 2 - fluoro - 2 - methylbutanal

(3) 2 - Fluoro - 2 - methyl - 3 - nitrobutanal (4) None of these

24. The number of isomers of pentane is

(1) 2 (2) 3 (3) 4 (4) 5

25. In C_6H_{14} the number of possible isomers is

(1) 3 (2) 6 (3) 4 (4) 5

26. Acid used in anti-rust paints is -

(1) sulphuric acid (2) carbonic acid (3) phosphoric acid (4) hydrochloric acid

27. Which of the following is an acidic salt?

(1) Na_2SO_4 (2) Ca(OH)Cl (3) Pb(OH)Cl (4) Na_2HPO_4

28. Which of the following during hydrolysis gives an acidic solution in water?

(1) KNO_3 (2) NH_4Cl (3) CH_3COONa (4) KCl

29. Which of the following is a water-soluble base?

(1) $Cu(OH)_2$ (2) NaOH (3) $Al(OH)_3$ (4) $Fe(OH)_3$

30. 'Liming of soil' is done by adding -

(1) CaO (2) $Ca(OH)_2$ (3) $CaCO_3$ (4) All of these

31. The carrier of oxygen in human blood is

(1) sodium (2) iron (3) calcium (4) water

32. Wasp sting injects :

(1) An acid (2) A salt (3) An alkali (4) Sugar solution

33. Which metal is abundant in plants?

(1) Iron (2) Chromium (3) Magnesium (4) Carbon monoxide

34. In the laboratory process of hydrogen production we use impure zinc because :

(1) Pure zinc is very costly
(2) there is risk of explosion with pure
(3) Impurity in zinc act as catalyst
(4) pure zinc is not easily available

35. On addition of which metal, copper sulphate solution (blue colour) will be changed to colourless solution

(1) Fe (2) Ag (3) Zn (4) Hg

36. Iron fillings were added to solution of copper sulphate. After about 10 minutes, it was observed that the colour of the solution changed and a layer was deposited on iron fillings. The colour of the solution and that of the coating would respectively be :

(1) light green and reddish brown
(2) yellow and green
(3) brown and blue
(4) red and greenish blue.

37. The colour of the chemical that changes when it left open in sunlight is

(1) $FeSO_4(s)$ (2) $Pb(NO_3)_2(s)$ (3) $AgCl(s)$ (4) $BaCl_2(aq.)$

38. Which of the following is redox reaction?

(1) $NaOH + HCl \longrightarrow NaCl + H_2O$
(2) $AgNO_3 + KI \longrightarrow AgI + KNO_3$
(3) $BaO_2 + H_2SO_4 \longrightarrow BaSO_4 + H_2O_2$
(4) $SnCl_2 + HgCl_2 \longrightarrow SnCl_4 + Hg$

39. Both CO_2 and H_2 gases are :

(1) heavier than air (2) acidic in nature (3) colourless (4) soluble in water

40. When ammonium hydroxide is added to a solution of ferric chloride -

(1) a brown precipitate of ferric hydroxide is formed along with ammonium chloride.
(2) a green precipitate of ferric hydroxide is formed along with ammonium chloride.
(3) a brown precipitate of ferrous hydroxide is formed along with ammonium chloride.
(4) None of these

PART – 3 : BIOLOGY

Single Correct MCQ • Q. 41 – 60 • Maximum Marks : 80

41. Which blood vessel carries oxygenated blood from the lungs to the heart?

(1) Pulmonary artery (2) Vena cava

(3) Aorta (4) Pulmonary vein

42. A plant is kept in darkness for 24–48 hours before being used in an experiment to test the necessity of sunlight for photosynthesis. What is the main purpose of this step?

(1) To stop cellular respiration

(2) To remove stored starch from the leaves

(3) To increase chlorophyll production

(4) To increase water absorption by roots

43. Which hormone helps regulate blood glucose levels by lowering them?

(1) Adrenaline (2) Thyroxine (3) Insulin (4) Growth hormone

44. In pea plants, tallness (T) is dominant over dwarfness (t). What percentage of offspring is expected to be dwarf when two heterozygous tall plants are crossed (Tt × Tt)?

(1) 75% (2) 50% (3) 100% (4) 25%

45. Which of the following is an example of asexual reproduction?

(1) Fertilisation in humans (2) Binary fission in Amoeba

(3) Pollination in flowering plants (4) Formation of seeds after fertilisation

46. Which plant tissue transports water and minerals from roots to leaves?

(1) Phloem (2) Epidermis (3) Parenchyma (4) Xylem

47. Which of the following is a biodegradable substance?

(1) Vegetable peels (2) Plastic bags (3) Glass bottles (4) Aluminium cans

48. Which part of the human brain mainly coordinates balance and posture?

(1) Cerebrum (2) Medulla (3) Cerebellum (4) Hypothalamus

49. Which of the following correctly represents a simple food chain?

(1) Grasshopper → Grass → Frog → Snake (2) Grass → Frog → Grasshopper → Snake

(3) Frog → Grasshopper → Grass → Snake (4) Grass → Grasshopper → Frog → Snake

50. A person suffering from myopia has difficulty seeing distant objects clearly. Which lens is used to correct this defect?

(1) Convex lens (2) Concave lens

(3) Plane glass lens (4) A bifocal lens in every case

51. Which enzyme present in human saliva begins the digestion of starch?

(1) Pepsin (2) Trypsin (3) Salivary amylase (4) Lipase

52. In humans, fertilisation usually occurs in the:

(1) Uterus (2) Ovary (3) Cervix (4) Oviduct (fallopian tube)

53. The movement of water through a selectively permeable membrane from a region of higher water concentration to lower water concentration is called:

(1) Osmosis (2) Active transport (3) Transpiration (4) Photosynthesis

54. Which of the following is generally an inherited characteristic?

(1) A scar from an injury

(2) Natural eye colour

(3) Muscles developed through exercise

(4) A pierced earlobe

55. Which is the major function of haemoglobin in human blood?

(1) Digestion of food (2) Formation of antibodies

(3) Transport of oxygen (4) Filtration of blood

56. A dentist uses a concave mirror to examine a patient's teeth. When the tooth is placed within the focal length, what kind of image is formed?

(1) Real, inverted and diminished (2) Real, inverted and magnified

(3) Virtual, inverted and diminished (4) Virtual, upright and magnified

57. What is the main role of decomposers in an ecosystem?

(1) Producing sunlight for plants

(2) Breaking down dead organisms and recycling nutrients

(3) Preventing energy flow through food chains

(4) Converting consumers directly into producers

58. Which statement correctly describes the function of bile?

(1) It helps emulsify fats in the small intestine.

(2) It directly digests proteins into amino acids.

(3) It converts starch into glucose.

(4) It breaks down cellulose in humans.

59. In a healthy human kidney, urine formation involves which combination of processes?

(1) Digestion, absorption and assimilation

(2) Transpiration and diffusion only

(3) Filtration, selective reabsorption and secretion

(4) Photosynthesis and filtration

60. Excessive fertiliser runoff enters a pond and causes rapid algal growth. Why may fish die after this algal bloom?

(1) Fertilisers immediately turn all pond water acidic.

(2) Algae permanently stop photosynthesis in every aquatic organism.

(3) Fish start consuming fertilisers instead of oxygen.

(4) Decomposition of dead algae consumes dissolved oxygen in the water

ANSWER KEY

SAMPLE PAPER 2026 · CLASS 10TH → 11TH · PCB

60
QUESTIONS · 240 MARKS

Single-correct objective. The numbers in brackets are the option numbers (1)–(4) printed in the question paper.

PART 1 · PHYSICS

Q. 1 – 20 · 80 marks

1	(3)	2	(3)	3	(4)	4	(1)	5	(1)
6	(1)	7	(1)	8	(1)	9	(1)	10	(3)
11	(2)	12	(2)	13	(3)	14	(3)	15	(3)
16	(2)	17	(4)	18	(1)	19	(2)	20	(1)

PART 2 · CHEMISTRY

Q. 21 – 40 · 80 marks

21	(2)	22	(3)	23	(3)	24	(2)	25	(4)
26	(3)	27	(4)	28	(2)	29	(2)	30	(4)
31	(2)	32	(3)	33	(3)	34	(3)	35	(3)
36	(1)	37	(3)	38	(4)	39	(3)	40	(1)

PART 3 · BIOLOGY

Q. 41 – 60 · 80 marks

41	(4)	42	(2)	43	(3)	44	(4)	45	(2)
46	(4)	47	(1)	48	(3)	49	(4)	50	(2)
51	(3)	52	(4)	53	(1)	54	(2)	55	(3)
56	(4)	57	(2)	58	(1)	59	(3)	60	(4)

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THE ZIGYAN TEST PORTAL

What you can do as a student

Write the test, see your result and learn from every question - all on one portal. And practise before the day.

1 · WRITE THE TEST IN A REAL CBT WINDOW

SAMPLE VIEW

zigyan — ZEST 2026 · Sample Paper · Class 9th → 10th — Question Paper

Physics | Chemistry | Biology | Mathematics | Mental Ability

Question Number 3 — Single correct +4 marks

A stone is dropped from a height of 80 m (take g = 10 m s^{-2}, ignore air resistance). How far does it fall in the last second of its fall?

(1) 35 m
(2) 5 m
(3) 40 m
(4) 45 m

Mark for Review & Next | Clear Response | Save & Next

Time Left 01:12:36

Question Overview

12 Attempted | 1 Not Attempted | 1 To Be Reviewed | 71 Not Viewed Yet

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85					

1. **Subject tabs** — Move between the parts of the paper.
2. **Question and marks** — Type of question and its marks, on screen.
3. **Live timer** — Time left stays visible all the time.
4. **Question palette** — Attempted, not answered, marked for review, not viewed.

2 · SEE WHERE YOU STAND

SAMPLE VIEW

Leaderboard — In Batch | All Students

Among 248 students in your batch

DM Diya M. 304 — 2 | AK Aarav K. 316 — 1 | KR Kabir R. 296 — 3

#	STUDENT	SCORE	ACC.	TIME
4	RV Riya V.	292	86%	1:52:10
5	KS Kabir S.	288	85%	1:55:42
6	NM Naina M.	284	84%	1:49:03
12	YOU You	256	78%	1:54:20

3 · READ YOUR FULL REPORT

SAMPLE VIEW

Result summary — Whole paper

Scorecard | Analytics | Comparison | Time | Solution

256/340 SCORE | 12 BATCH RANK | 78% ACCURACY

Physics	48/60
Chemistry	44/60
Biology	52/60
Mathematics	60/80
Mental Ability	52/80

You 256 | Batch average 201 | Topper 316

Practise before the real test.

Get used to the screen, the question palette and the timer - so test day feels like one more practice round.

- Get used to the CBT window
- Mark for review and come back
- Read your report, then try again

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OLYMPIADS · 2026

Olympiad results



TOP ACHIEVEMENT · CHEMISTRY

Qualified the Chemistry Olympiad twice, and selected for the HBCSE camp.

Saksham Bishnoi reached the national stage of the Chemistry Olympiad in two consecutive years and was selected for the Orientation-cum-Selection Camp at HBCSE, Mumbai. 4 Years Classroom - the same student who took AIR 168 in JEE Advanced 2026.

Qualified twice | HBCSE selection camp | Only student from Faridabad

Above MAS means above the **Minimum Admissible Score**: clearing it puts a student in the national band for their subject. It is a real threshold, not a participation marker.

CHEMISTRY · ABOVE MAS



Sulokya Bibhuty
Class XII
3 Years Classroom
Above MAS



Anay Gupta
Class XI
3 Years Classroom
Above MAS



Akshat Khator
Class XI
3 Years Classroom
Above MAS



Harshit Goyal
Class XII
4 Years Classroom
Above MAS



Hardik Sharma
Class XI
3 Years Classroom
Above MAS



Aarush Kumar
Class XII
1 Year Classroom
Above MAS

PHYSICS · ASTRONOMY · MATHEMATICS

PHYSICS



Sulokya Bibhuty
Class XII
3 Years Classroom
Above MAS

PHYSICS



Saksham Bishnoi
Class XII
4 Years Classroom
Above MAS

ASTRONOMY



Sulokya Bibhuty
Class XI
3 Years Classroom
Above MAS

MATHEMATICS · IOQM



Priyanshi
Class XI
4 Years Classroom
IOQM Qualifier

OLYMPIADS WE PREPARE STUDENTS FOR

NSEP	NSEC	NSEB	NSEA	IOQM	NSEJS
Physics	Chemistry	Biology	Astronomy	Mathematics	Class X and below

The olympiad pathway starts in Class 8.

NSEJS is open to Class 10 and below - the habit of staying with one hard problem is the one JEE Advanced rewards.

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RESULTS · 2021 – 2026

Our toppers, year by year

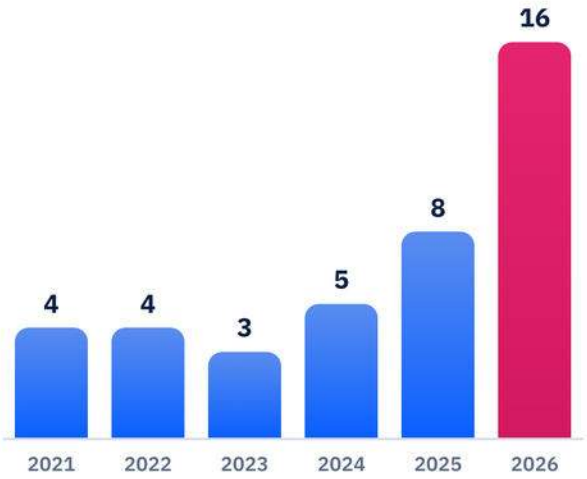
40
JEE Advanced selections in 6 years

AIR 168
best rank — Saksham Bishnoi, 2026

16 of 35
students selected, JEE Advanced 2026

14 of 35
above 98 percentile, JEE Main 2026

JEE ADVANCED SELECTIONS PER YEAR



BEST RANK EACH YEAR

YEAR	JEE ADVANCED	JEE MAIN
2026	**Saksham Bishnoi** AIR 168 · 4 Years Classroom	**Saksham Bishnoi** AIR 811 · 99.95 %ile
2025	**Chakshu** AIR 4,233 · 2 Years Classroom	**Chakshu** AIR 8,538 · 99.44 %ile
2024	**Harshit** AIR 777 · 2 Years Classroom	**Harshit** AIR 1,473 · 99.91 %ile
2023	**Aditya Jain** AIR 2,373 · 2 Years Classroom	**Aditya Jain** AIR 2,503 · 99.79 %ile
2022	**Rachit Sharma** AIR 698 · 1 Year Classroom	**Rachit Sharma** AIR 1,016 · 99.90 %ile
2021	**Sparsh Mittal** AIR 2,237 · 1 Year Classroom	**Sparsh Mittal** AIR 1,562

JEE ADVANCED 2026 — THIRTEEN NAMED SELECTIONS



Saksham Bishnoi
AIR 168
4 Years Classroom



Sulokya Bibhuty
AIR 1,315
3 Years Classroom



Aarush
AIR 2,699
1 Year Classroom



Manishka
AIR 2,869
4 Years Classroom



Oojit Kumar
AIR 5,765
4 Years Classroom



Harshit Goyal
AIR 6,407
4 Years Classroom



Pranab Sharma
AIR 6,750
3 Years Classroom



Aditya Dhar
AIR 15,183
3 Years Classroom



Arpit Anshuman
AIR 19,308
4 Years Classroom



Lokesh
AIR 22,857
3 Years Classroom



Arjun
AIR 24,674
3 Years Classroom



Sanyam Gulyani
AIR 25,123
1 Year Classroom



Saket
AIR 27,628
3 Years Classroom

Sixteen students of the 2026 batch were selected in JEE Advanced; the thirteen above are named with their All India Rank.

JEE MAIN 2026 — TOP SIX, WITH PERCENTILE



Saksham Bishnoi
AIR 811
99.95 %ile
4 Years Classroom



Sulokya Bibhuty
AIR 1,095
99.94 %ile
3 Years Classroom



Harshit Goyal
AIR 2,662
99.83 %ile
4 Years Classroom



Manishka
AIR 4,817
99.70 %ile
4 Years Classroom



Oojit Kumar
AIR 5,040
99.69 %ile
4 Years Classroom



Aarush
AIR 5,276
99.67 %ile
1 Year Classroom

14 of the 35 students in the 2026 batch scored above the 98th percentile in JEE Main.

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