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SAMPLE PAPER · 2026



# ZEST

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WHAT THIS PAPER COVERS

| Physics | Chemistry | Biology | Mathematics | Mental Ability |
|---|---|---|---|---|
| Q. 1–15 | Q. 16–30 | Q. 31–45 | Q. 46–65 | Q. 66–85 |

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JEE 2026 RESULTS

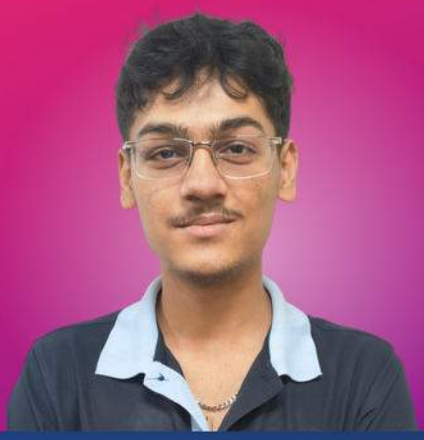
OUR TOPPERS

# 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

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# PART – 1 : PHYSICS

**Single Correct MCQ • Q. 1 – 15 • Maximum Marks : 60**

1. An object moving at 5 m/s accelerates at a constant 2 m/s² until its velocity becomes 15 m/s. The distance travelled during this time is

(1) 25 m (2) 100 m (3) 20 m (4) 50 m

2. A sound wave of wavelength 1.72 m travels in air at 344 m/s. Its time period is

(1) 200 s (2) 0.5 s (3) 0.05 s (4) 0.005 s

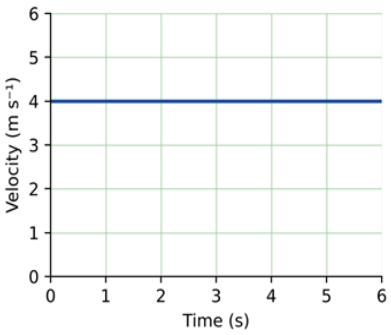
3. A stone is dropped from a height of 80 m (take g = 10 m $s^{-2}$, ignore air resistance). How far does it fall in the last second of its fall?

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

4. A driver moving at 20 m $s^{-1}$ sees a hazard. His reaction time is 0.8 s, and after that the brakes produce a deceleration of 5 m $s^{-2}$. What is the total stopping distance from the moment he sees the hazard?

(1) 16 m (2) 40 m (3) 56 m (4) 72 m

5. The velocity-time graph of an object of mass 2 kg is shown. The net force acting on the object is

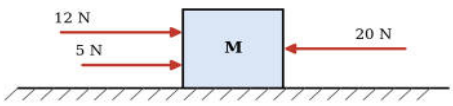



(1) 8 N (2) 2 N (3) 0.5 N (4) 0 N

6. If the net force on an object is doubled and its mass is halved, its acceleration becomes

(1) two times (2) half (3) four times (4) the same as before

7. Three horizontal forces act on block M as shown. What is the net force on the block?




(1) 3 N towards the right (2) 3 N towards the left

(3) 37 N towards the right (4) 13 N towards the left

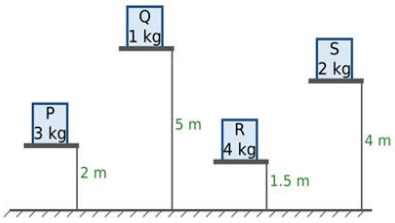
8. A 50 kg box moves at constant velocity on a floor when pushed with 150 N. If the push is suddenly doubled to 300 N (friction unchanged), the acceleration of the box becomes:

(1) 6 m $s^{-2}$ (2) 0 m $s^{-2}$ (3) 3 m $s^{-2}$ (4) 1.5 m $s^{-2}$

9. A bullet of mass 50 g moving at 100 m $s^{-1}$ enters a wooden block and stops after penetrating 0.5 m. The average stopping force on the bullet is

(1) 250 N (2) 500 N (3) 5000 N (4) 50 N

10. Four boxes P, Q, R and S are kept on shelves as shown. Which box has the largest gravitational potential energy? (g = 10 m s$^{-2}$)




(1) P (2) Q (3) R (4) S

11. A ball is thrown vertically upwards with a speed of 10 m s$^{-1}$. Ignoring air resistance, the maximum height it reaches is (g = 10 m s$^{-2}$)

(1) 10 m (2) 5 m (3) 1 m (4) 50 m

12. An adult who weighs twice as much as a child balances the child on a seesaw with sliding seats. Then

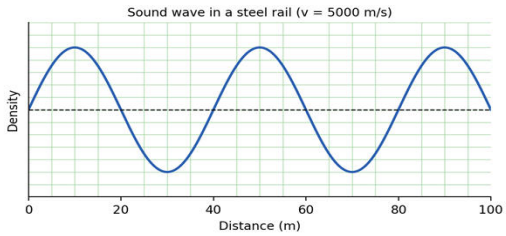
(1) both sit at the same distance from the fulcrum

(2) the adult sits twice as far from the fulcrum as the child

(3) the child sits twice as far from the fulcrum as the adult

(4) the child sits half as far from the fulcrum as the adult

13. Given figure is the density–distance graph for a sound wave in a steel rail (v = 5000 m/s). The time period of the wave is:




(1) 0.125 s (2) 0.02 s (3) 0.0125 s (4) 0.008 s

14. The human audible range is 20 Hz to 20 kHz. In water (v = 1500 m/s), the corresponding range of wavelengths is:

(1) 17 m to 1.7 cm (2) 75 m to 7.5 cm (3) 75 cm to 7.5 m (4) 7.5 m to 0.75 cm

15. The loud sound of a firecracker or of thunder is produced because

(1) a tuning fork inside vibrates

(2) light changes into sound

(3) the air becomes a vacuum

(4) rapidly heated air or gas expands very quickly, creating a sudden disturbance in air density

## PART – 2 : CHEMISTRY

**Single Correct MCQ • Q. 16 – 30 • Maximum Marks : 60**

16. Which compound has the HIGHEST percentage of oxygen by mass? (H = 1, C = 12, N = 14, S = 32, O = 16)

(1) CO (2) NO (3) $H_2O$ (4) $SO_3$

17. An element X with atomic number 12 burns in nitrogen to form compound Y. The formula and formula unit mass of Y are (X = 24 u, N = 14 u):

(1) XN; 38 u (2) $X_2N_3$; 90 u (3) $X_3N$; 86 u (4) $X_3N_2$; 100 u

18. Magnesium oxide melts at about 2852 °C while sodium chloride melts at 801 °C. The most reasonable explanation is:

(1) The ions in MgO carry larger charges (2+ and 2−), so the electrostatic attraction between them is stronger

(2) MgO is covalent and NaCl is ionic

(3) MgO has a larger formula unit mass

(4) NaCl dissolves in water

19. Which of the following will conduct electricity in the molten state?

(1) Carbon tetrachloride (2) Glucose

(3) Potassium chloride (4) Carbon dioxide (solid)

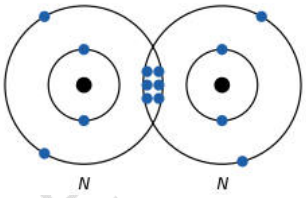
20. How many electrons in total are transferred from aluminium atoms to oxygen atoms to form ONE formula unit of $Al_2O_3$?

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

21. A species has 11 protons, 12 neutrons and 10 electrons. Its atomic number, mass number and nature are:

(1) 10, 22, anion (2) 12, 23, cation (3) 11, 22, neutral atom (4) 11, 23, cation

22. The figure represents the bonding in a nitrogen molecule. How many electrons are shared, and how many lone pairs does each N atom have?




(1) 2 shared; 3 lone pairs each (2) 6 shared; 1 lone pair each

(3) 4 shared; 2 lone pairs each (4) 6 shared; 2 lone pairs each

23. **Assertion (A):** Dalton's atomic theory was the first scientific description of how matter is made.

**Reason (R):** Acharya Kanada's idea of parmanu was based on laboratory experiments.

(1) Both true; R explains A (2) Both true; R does not explain A

(3) A true; R false (4) A false; R true

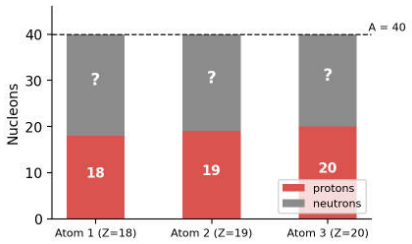
24. **Assertion (A):** Isotopes of an element have similar chemical properties.

**Reason (R):** Isotopes of an element have the same number of electrons and the same electronic configuration.

(1) Both true; R explains A (2) Both true; R does not explain A

(3) A true; R false (4) A false; R true

25. The graph shows three isobars with mass number 40. The number of protons is given for each and the number of neutrons is hidden. Which statement is correct?




(1) Atoms 1 and 3 are isotopes

(2) All three atoms have 20 neutrons

(3) Atom 2 has the most neutrons

(4) Neutrons decrease from Atom 1 to Atom 3 because A is fixed while Z increases

26. Chlorine has 7 valence electrons, yet its valency is 1 and not 7. Why?

(1) Valency is always equal to the number of shells

(2) It is far easier to gain 1 electron to complete the octet than to lose 7 electrons

(3) Chlorine loses 1 electron to become stable

(4) Chlorine can hold only one electron in its outermost shell

27. An element has 3 shells with 7 electrons in the outermost shell. Its mass number is one more than twice its atomic number. How many neutrons does its nucleus contain?

(1) 17 (2) 18 (3) 20 (4) 35

28. An electron in the L-shell of an atom absorbs an amount of energy that is LESS than the energy gap between the L and M shells. According to Bohr's model,

(1) the electron stays in the L-shell, because it cannot occupy any position between two allowed shells

(2) the electron moves to the M-shell and then loses the extra energy

(3) the electron moves to a position between the L and M shells

(4) the electron leaves the atom

29. How did Bohr's model overcome the stability problem of Rutherford's model?

(1) He proved that circular motion is not accelerated motion

(2) He placed the electrons inside the nucleus

(3) He showed that electrons do not move at all

(4) He postulated that an electron moving in an allowed orbit (stationary state) does not lose energy

30. In the gold foil experiment, suppose the α-particles are replaced by a beam of negatively charged particles of similar mass and speed. Which observation would you expect?

(1) Exactly the same pattern, including α-like rebounds

(2) Particles passing close to a nucleus would bend toward it, and none would be turned back by repulsion from the nucleus

(3) All particles would stop inside the foil

(4) All particles would pass through completely undeflected

## PART – 3 : BIOLOGY

**Single Correct MCQ • Q. 31 – 45 • Maximum Marks : 60**

31. A plant cell is placed in a highly concentrated sugar solution. After a few minutes, the cell membrane pulls away from the cell wall. Which process explains this observation?
(1) Diffusion of sugar into the cell
(2) Endosmosis
(3) Plasmolysis due to exosmosis
(4) Active transport of water into the vacuole

32. A student observes a cell under a microscope. It has a cell wall, a large central vacuole and no visible nucleus. Which conclusion is most scientifically appropriate?
(1) It must be a dead plant cell
(2) It must be a bacterial cell
(3) It is definitely an animal cell
(4) It could be a mature sieve-tube element of phloem

33. A person experiences rapid breathing and muscle cramps after strenuous exercise. Which explanation best links these observations?
(1) Complete aerobic respiration produces lactic acid in excess
(2) Insufficient oxygen may lead to lactic acid accumulation in muscles
(3) Muscle cells stop releasing energy during exercise
(4) Carbon dioxide is converted directly into glucose in muscles

34. A student removes a ring of bark from a woody stem without damaging the inner wood. After some time, swelling occurs above the cut. The most likely reason is:
(1) Water accumulates because xylem transport is completely blocked
(2) Minerals cannot enter through the roots
(3) Food transported through phloem accumulates above the cut
(4) Photosynthesis stops immediately in all leaves

35. Which combination correctly describes the movement of oxygen during gas exchange in the human lungs?
(1) Alveolar air → blood capillaries, down the partial-pressure gradient
(2) Blood capillaries → alveoli, because blood contains more oxygen
(3) Alveoli → blood only through active transport
(4) Oxygen enters the blood only after binding to carbon dioxide

36. A cross between two heterozygous tall pea plants (Tt × Tt) is performed. If tallness (T) is dominant over dwarfness (t), what fraction of offspring is expected to be dwarf?
(1) $\frac{1}{2}$ (2) $\frac{3}{4}$ (3) $\frac{1}{4}$ (4) All offspring

37. Which statement best explains why energy transfer in a food chain is unidirectional rather than cyclic?
(1) Decomposers cannot use energy
(2) Energy is continuously created by consumers
(3) Nutrients leave every ecosystem permanently
(4) Energy is dissipated as heat at each trophic level and is not recycled

38. A person with a normal diet has adequate iron but develops anaemia due to a deficiency of vitamin B12. Which process is most directly affected?
(1) Formation of haemoglobin's iron-containing group only
(2) Normal maturation of red blood cells and DNA synthesis
(3) Production of bile in the gall bladder
(4) Filtration of glucose by the kidneys

39. A plant is kept in darkness for 48 hours and then part of a leaf is covered with opaque black paper. The plant is exposed to sunlight and the leaf is tested with iodine. Which result is expected?
(1) The entire leaf turns blue-black uniformly
(2) Only the covered part turns blue-black
(3) The exposed part turns blue-black, while the covered part does not
(4) Neither part can ever contain starch

40. A student adds dilute hydrochloric acid to a test tube containing zinc granules. Which test would best identify the gas evolved?
(1) It turns limewater milky
(2) It relights a glowing splint
(3) It turns blue litmus red
(4) It burns with a characteristic pop when a burning splint is brought near

41. Which statement correctly distinguishes vaccination from treatment with antibiotics?
(1) Vaccines directly destroy all pathogens already present
(2) Antibiotics work equally well against bacteria and viruses
(3) Vaccines stimulate specific immune memory, while antibiotics act against susceptible bacteria
(4) Both provide immediate, permanent immunity against every infection

42. In a nephron, most selective reabsorption of useful substances such as glucose, amino acids and much of the water occurs primarily in the:
(1) Glomerulus (2) Proximal convoluted tubule
(3) Urinary bladder (4) Ureter

43. A student places equal-sized potato cylinders in distilled water and concentrated salt solution. Which observation is most likely after sufficient time?
(1) Both cylinders gain equal mass
(2) Both cylinders lose equal mass
(3) The cylinder in salt solution gains mass because salt enters
(4) The distilled-water cylinder gains mass while the salt-solution cylinder loses mass

44. In humans, which sequence correctly represents the pathway of a nerve impulse in a simple reflex action?
(1) Receptor → sensory neuron → spinal cord relay → motor neuron → effector
(2) Effector → motor neuron → brain → receptor
(3) Receptor → motor neuron → sensory neuron → effector
(4) Sensory neuron → effector → receptor → spinal cord

45. A farmer repeatedly grows the same crop and applies large quantities of nitrogenous fertiliser. Runoff enters a nearby pond, followed by algal growth and fish deaths. Which mechanism best explains the fish deaths?

(1) Fertiliser directly converts dissolved oxygen into nitrogen

(2) Algae permanently prevent sunlight from reaching all water

(3) Algal growth and subsequent decomposition reduce dissolved oxygen

(4) Nitrogen fertiliser removes all microorganisms from the pond

## PART – 4 : MATHEMATICS

**Single Correct MCQ • Q. 46 – 65 • Maximum Marks : 80**

46. If O(0, 0), A(4, 0) and B(0, 5) are the vertices of a triangle, then a triangle OAB is:

(1) An obtuse triangle (2) An equilateral triangle

(3) An isosceles triangle (4) A right triangle

47 Which of the following expression is a polynomial in one variable?

(1) $x+\frac{2}{x}+3$ (2) $3\sqrt{x}+\frac{2}{\sqrt{x}}+5$ (3) $\sqrt{2}x^2-\sqrt{3}x+6$ (4) $x^{10}+y^5+8$

48. A, B and C are three collinear points. How many lines can be determined by them?

(1) 3 (2) 1 (3) 0 (4) 2

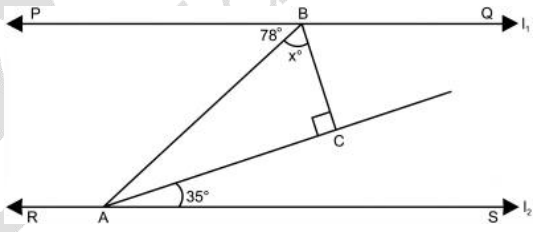
49. If $x^4+\frac{1}{x^4}=194$, then $x^3+\frac{1}{x^3}=$ (for x > 0)

(1) 76 (2) 52 (3) 64 (4) None of these

50. If $x=\frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$ and $y=\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$, then $x^2 + xy + y^2 =$

(1) 101 (2) 99 (3) 98 (4) 102

51. In Fig. for which value of x° is $l_1 \parallel l_2$ ?

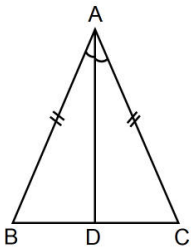



(1) 37° (2) 43° (3) 45° (4) 47°

52. Odds against an event are 5 : 8, then the probability of the occurence of the event is:

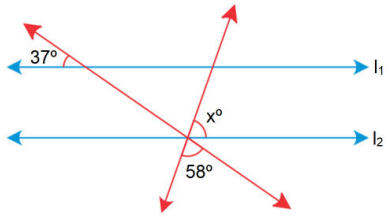
(1) $\frac{8}{13}$ (2) $\frac{5}{13}$ (3) $\frac{5}{8}$ (4) $\frac{8}{5}$

53. In the adjoining figure, AB = AC and AD is bisector of $\angle A$ . The rule by which $\Delta ABD \cong \Delta ACD$.



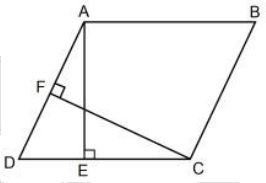

(1) ASA (2) SAS (3) SSS (4) AAS

54. In figure, if $l_1 \parallel l_2$ what is the value of x?




(1) 90° (2) 85° (3) 75° (4) 70°

55. In figure, ABCD is a parallelogram. If AB = 12cm, AE = 7.5cm, CF = 15cm, then AD =

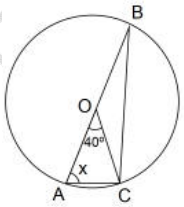



(1) 3cm (2) 6cm (3) 8cm (4) 10.5cm

56. In $\Delta ABC$, $BD \perp AC$, $\angle CAE = 30^\circ$ and $\angle CBD = 40^\circ$. E lies on BC. Then $\angle AEB = ?$

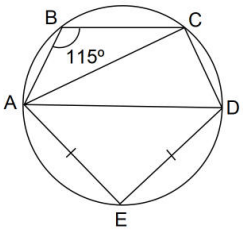
(1) 70° (2) 50° (3) 60° (4) 80°

57. In a figure, O is the centre of the circle with AB as diameter. If ∠AOC = 40°, the value of x is equal to:




(1) 60° (2) 70° (3) 50° (4) 80°

58. In the given figure, AD is the diameter of the circle and AE = DE. If, ∠ABC = 115° then the measure of ∠CAE is:




(1) 70° (2) 60° (3) 80° (4) 90°

59. If the height of a cone is doubled then its volume is increased by:

(1) 100% (2) 200% (3) 300% (4) 400%

60. A grouped frequency table with class intervals of equal size using 3-5 (5 included in this interval) as one of the class intervals is constructed for the following data. The frequency of the class 3-5 is:

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 7 | 2 | 0 | 3 | 9 | 2 | 3 | 7 | 6 | 3 | 5 |
| 2 | 5 | 5 | 6 | 2 | 3 | 5 | 1 | 0 | 4 | 6 | 4 | 6 |

(1) 5 (2) 11 (3) 3 (4) 8

61. ABCD is a rhombus such that ∠ACB = 50º Then, ∠ADB = ?

(1) 40° (2) 25° (3) 65° (4) 130°

62. The diagonal of a rhombus are 24cm and 10cm. Then its perimeter is:

(1) 40cm (2) 52cm (3) 26cm (4) 68cm

63. The sum of n terms of an A.P. is $3n^2 + 5n$, then 164 is its:

(1) 24th term (2) 27th term (3) 26th term (4) 25th term

64. If the graph of the equation 4x + 3y = 12 cuts the coordinate axes at A and B, then hypotenuse of right triangle AOB is of length.

(1) 3 units (2) 4 units (3) 5 units (4) None of these

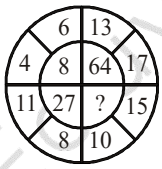
65. If the 2nd term of an AP is 13 and the 5th term is 25, what is its 7th term?

(1) 30 (2) 33 (3) 37 (4) 38

## PART – 5 : MENTAL ABILITY

**Single Correct MCQ • Q. 66 – 85 • Maximum Marks : 80**

66. Find the missing number :




(1) 25 (2) 50 (3) 100 (4) 125

67. S is taller than R and T. P is not as tall as T. R is taller than P. S is not as tall as Q. Who among them is next to the tallest one?

(1) P (2) Q (3) R (4) S

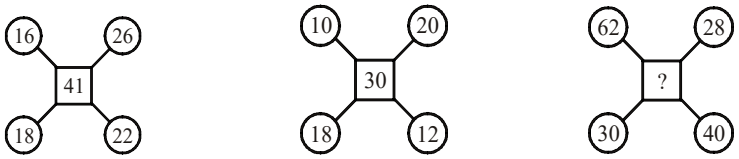
68. If Sunday falls on 11th May of a year, then in the same year 31st August will be on _____.

(1) Sunday (2) Wednesday (3) Friday (4) Thursday

69. In a certain code language, if 'ACT' is coded as '8', 'TACT' is coded as '11', then what will be the code for 'wisE'?

(1) 14 (2) 16 (3) 18 (4) 20

70. Find the missing number in the shown figure:




(1) 60 (2) 70 (3) 80 (4) 90

**Direction (Q.71 & 72) :** Read the following information carefully and answer the questions which follow:

(i) 'P × Q' means 'P is brother of Q' (ii) 'P ÷ Q' means 'P is sister of Q'

(iii) 'P – Q' means 'P is mother of Q' (iv) 'P + Q' means 'P is father of Q'

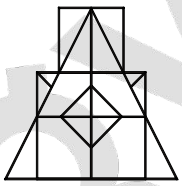
71. Which of the following means 'D is maternal uncle of K'?

(1) D ÷ N – K (2) D ÷ N + K (3) D × N – K (4) D × N + K

72. Which of the following means 'M is nephew of R'?

(1) M × T + R (2) R ÷ J + M × T (3) R ÷ J + M (4) R × J + M

73. Count the number of triangles in the figure given below:



(1) 25 (2) 26 (3) 27 (4) 28

74. In a certain code language 'Problems' is coded as 'TbormelQ'. How will 'solution' be coded in that language?

(1) OULOOTIT (2) OLUOOTIT (3) OULOOITT (4) OULOOTTI

75. If 'ish lto inm' stands for 'neat and tidy'; 'upr inm sen' stands for 'small but neat'; 'hsm sen rso' stands for 'good but erratic'; what would stand for 'but'?

(1) inm (2) sen (3) upr (4) hsm

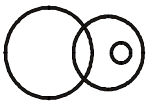
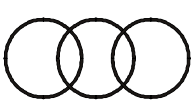
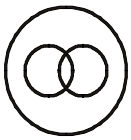
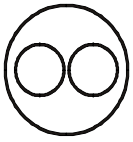
76. Find the odd one out:

(1) India (2) Japan (3) Asia (4) China

77. If 'Mud' is called 'Water', 'Water' is called 'Heat', 'Heat' is called 'Gas', 'Gas' is called 'Air' and 'Air' is called 'Fire', where do fishes swim?

(1) Water (2) Air (3) Heat (4) Fire

78. Which one among the following correctly represents the relationship among football, cricket and sports?

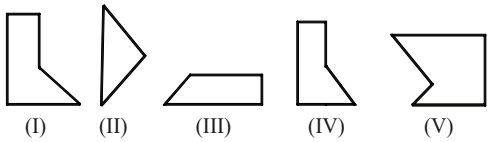
(1)  (2)  (3)  (4) 

79. Find the missing term in the series given below:

57, 87, 50, 81, 45, 77, 42,?

(1) 71 (2) 75 (3) 53 (4) 69

80. Select the alternative which represents three out of five alternative figures which when fitted into each would from a complete square.




(1) II, III, I (2) II, III, V (3) I, II, IV (4) I, III, IV

81. Ravi said to a lady, "The brother of your only daughter is the brother of my wife". How is the lady related to Ravi?

(1) Mother (2) Sister (3) Mother-in-law (4) Aunt

82. What should come next in the following sequence of letter?

a b b c a b c a b b c a b c a b b c a b c a b b c

(1) a b b (2) b c c (3) a b c (4) a b a

83. Find the mirror image of the word given below:



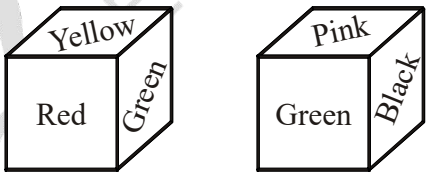

(1) YЯOTSIH (2) YЯOTꙄIH (3) HISTORY (4) YROTꙄIH

84. If '–' stands for 'addition', '÷' stands for 'multiplication', '×' stands for 'subtraction' and '+' stands for 'division', then which of the following options is correct?

(1) 25 × 12 – 14 ÷ 4 + 6 = 16 (2) 25 – 12 + 14 ÷ 2 × 4 = 15

(3) 25 – 15 + 5 ÷ 4 × 6 = 31 (4) 25 + 11 – 4 ÷ 10 × 6 = 20

85. Six faces of cube have been painted with colours Green, Yellow, Red, Black, Pink and White. Two positions of the cube are given below. If the black colour is on the top, then which colour will be at the bottom?




(1) Pink (2) Green (3) Yellow (4) Red

# ANSWER KEY

SAMPLE PAPER 2026 · CLASS 9TH → 10TH

**85**
QUESTIONS · 340 MARKS

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

## PART 1 · PHYSICS — Q. 1 – 15 · 60 marks

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | (4) | 2 | (4) | 3 | (1) | 4 | (3) | 5 | (4) |
| 6 | (3) | 7 | (2) | 8 | (3) | 9 | (2) | 10 | (4) |
| 11 | (2) | 12 | (3) | 13 | (4) | 14 | (2) | 15 | (4) |

## PART 2 · CHEMISTRY — Q. 16 – 30 · 60 marks

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 16 | (3) | 17 | (4) | 18 | (1) | 19 | (3) | 20 | (4) |
| 21 | (4) | 22 | (2) | 23 | (3) | 24 | (1) | 25 | (4) |
| 26 | (2) | 27 | (2) | 28 | (1) | 29 | (4) | 30 | (2) |

## PART 3 · BIOLOGY — Q. 31 – 45 · 60 marks

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 31 | (3) | 32 | (4) | 33 | (2) | 34 | (3) | 35 | (1) |
| 36 | (3) | 37 | (4) | 38 | (2) | 39 | (3) | 40 | (4) |
| 41 | (3) | 42 | (2) | 43 | (4) | 44 | (1) | 45 | (3) |

## PART 4 · MATHEMATICS — Q. 46 – 65 · 80 marks

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 46 | (4) | 47 | (3) | 48 | (2) | 49 | (2) | 50 | (2) |
| 51 | (4) | 52 | (1) | 53 | (2) | 54 | (2) | 55 | (2) |
| 56 | (4) | 57 | (2) | 58 | (1) | 59 | (1) | 60 | (2) |
| 61 | (1) | 62 | (2) | 63 | (2) | 64 | (3) | 65 | (2) |

## PART 5 · MENTAL ABILITY — Q. 66 – 85 · 80 marks

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 66 | (4) | 67 | (4) | 68 | (1) | 69 | (1) | 70 | (3) |
| 71 | (3) | 72 | (2) | 73 | (3) | 74 | (3) | 75 | (2) |
| 76 | (3) | 77 | (3) | 78 | (4) | 79 | (2) | 80 | (2) |
| 81 | (3) | 82 | (3) | 83 | (2) | 84 | (3) | 85 | (3) |



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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

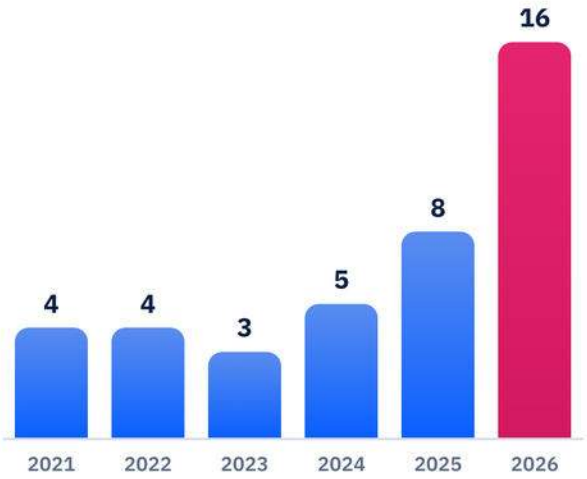
**40**
JEE Advanced selections in 6 years

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