

Success Starts with *Self-Belief.*




CLASS

6th

SAMPLE TEST PAPER


JEE | NEET | OLYMPIADS | BOARDS

 **9815355955, 9041354955** |  *Sangrur, Punjab*




JEE MAIN 2025 99.85 %ile	JEE ADV 2025 58 AIR
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SHIVAM KUMAR




JEE MAIN 2025 99.79 %ile	JEE ADV 2025 483 AIR
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SOHAM




JEE MAIN 2025 99.73 %ile	JEE ADV 2025 1974 AIR
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SANCHIT GOYAL




JEE MAIN 2025 99.81 %ile	JEE ADV 2025 4633 AIR
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PRATHAM GOYAL



JEE MAIN 2025 99.73 %ile	JEE ADV 2025 9037 AIR
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HARSH SINGLA



JEE MAIN 2025 98.59 %ile	JEE ADV 2025 11459 AIR
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PRANEY BANSAL

JEE MAINS & ADVANCE RESULT 2024




JEE MAIN 2024 99.98 %ile	JEE ADV 2024 958 AIR
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IIT DELHI
BHARTI GARG




JEE MAIN 2024 99.92 %ile	JEE ADV 2024 4217 AIR
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IIT ROPAR
VIRAJ MANOCHA




JEE MAIN 2024 99.70 %ile	JEE ADV 2024 8238 AIR
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DTU DELHI
NAMAN JAIN



JEE MAIN 2024 99.54 %ile	JEE ADV 2024 9718 AIR
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IIT ROORKEE
KHUSHBOO




JEE MAIN 2024 99.14 %ile	JEE ADV 2024 9903 AIR
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IIT ROPAR
ARSHIT GOYAL



99.21%ile **komalpreet kaur**
IIIT Allahabad



99.45%ile **Sehaj Bajaj**
PEC CHD.



99.44%ile **Prithvi Garg**
PEC CHD.



99.07%ile **Ruhani**
NIT JALANDHAR




98.68%ile **Khwaish Garg**
NIT JALANDHAR



98.38%ile **Robin**
NIT JALANDHAR




98.19%ile **Rishab Goyal**
NIT JALANDHAR



Bhumika
IIT BHUBANESWAR



Himanshi
IIT MANDI

670 | 720
GMC PATIALA
Prachi




705 | 720
MAULANA AZAD DELHI
Saransh Garg



651 | 720
GMC PATIALA
Riya



648 | 720
GMC PATIALA
Priyanka

636 | 720
GMCH CHD
Bhawna




604 | 720
GMC PATIALA
Balwinder Singh



599 | 720
GMCH CHD
Aurya Aggarwal




598 | 720
GMCH CHD
Chavvi



665 | 720
AIIMS-BILASPUR
Nitish Singla



662 | 720
DMC-LUDHIANA
Arshita Aggarwal



661 | 720
AIIMS-BATHINDA
Anmoldeep Kaur

What Makes Pinnacle Unique?

Teachers



Best Faculty Team



Hi-Tech Classrooms



Customized Study material



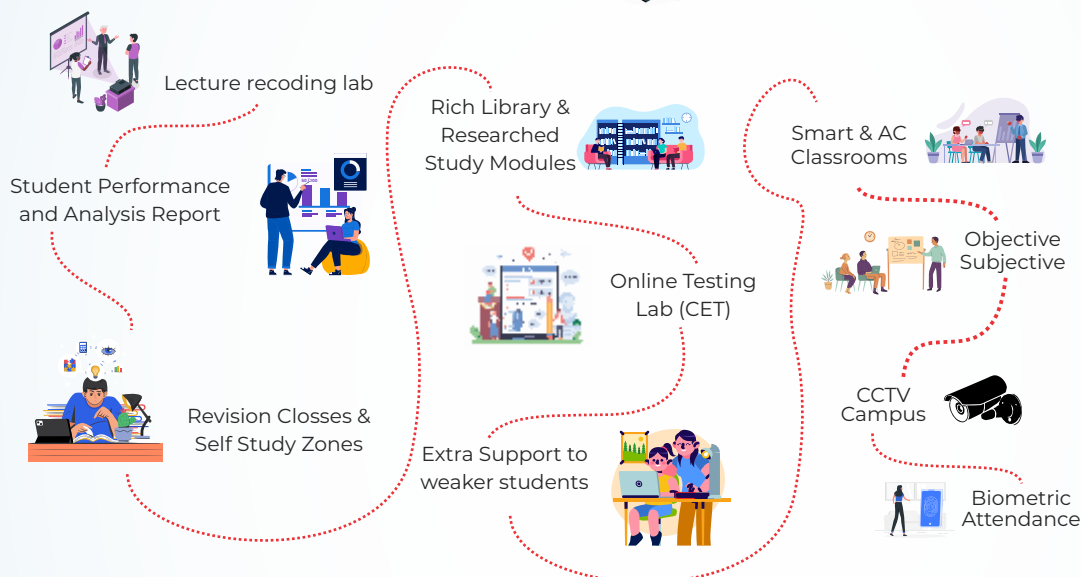
Personal Attention



Unlimited Doubt Sessions



Best Testing Methodology



CLASSROOM PROGRAM

1 Comprehensive Classroom Lectures

All classes at Pinnacle are conducted by highly qualified and experienced faculty members, mostly IITians. Each chapter is started at the grass root level and is dealt to an extent which is the requirement of competitive examinations, with an aim of enabling the students to develop a comprehensive view of the whole chapter with a thorough understanding.



2 Personalised Doubt Session

"If you ask a question, you may appear fool for some time, but if you don't, you'll remain a fool for whole life."
"System at Pinnacle encourages all students to ask their doubts and questions."

3 Regular Tests Online and Offline

As JEE Mains and Advanced have gone completely online and NEET is in the pipeline, we have launched a dedicated online testing platform where students can practice over CBT (Computer Based Tests). The combination of online and offline testing modes based on latest JEE/NEET patterns ensure that students are at par with the recent changes. Students can check their test reports and performance analysis via a unique online login ID. Their results are also communicated to parents via SMS.



4 Addressing The board exam

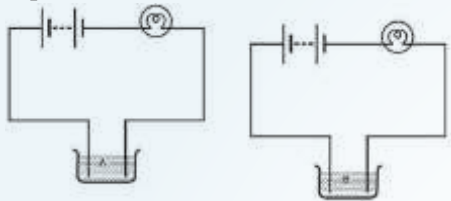
Pinnacle has a very distinct methodology for preparing the students for competitive examinations while in full synchronization with Board Exams as well. Board level tests are conducted alongside the regular JEE/NEET tests and the copies are graded at very meticulous level by teachers. Students receive methodological tips so as to perform excellent in the board Exams as well.

Section- A Science

This section contains **30 Multiple Choice Questions**. Each question has four options out of which **ONLY ONE** is correct.

1. The climate of a place depends on
 - (a) latitude
 - (b) altitude
 - (c) distance from the sea
 - (d) all of these
2. Fennec adapt to the desert climate with the help of
 - (a) long ears
 - (b) being nocturnal in nature
 - (c) both (A) & (B)
 - (d) none of these
3. The basic unit of speed is:
 - (a) km/min
 - (b) m/min
 - (c) km/h
 - (d) m/s
4. Which of the following relations is correct?
 - (a) $\text{Speed} = \text{Distance} \times \text{Time}$
 - (b) $\text{Speed} = \frac{\text{Distance}}{\text{Time}}$
 - (c) $\text{Speed} = \frac{\text{Time}}{\text{Distance}}$
 - (d) $\text{Speed} = \frac{1}{\text{Distance} \times \text{Time}}$
5. A weak current can be detected by replacing electric bulb in an electric tester with :
 - (a) LED
 - (b) A coil wound over a compass needle
 - (c) CFL
 - (d) Both (A) and (B)
6. In lateral inversion:
 - (a) Image is upside down
 - (b) Image bends laterally
 - (c) Left of an object appears right of an image
 - (d) Image gets inverted
7. Which of these does not conduct electricity?
 - (a) Brass spoon
 - (b) Silver jewellery
 - (c) Steel tumbler
 - (d) Plastic jug
8. An electric cell can generate electric current in a:
 - (a) Open circuit
 - (b) Closed circuit
 - (c) Both of these
 - (d) None of these
9. The process of returning back of light ray from a shining surface is called:
 - (a) Reflection
 - (b) Refraction
 - (c) Inversion
 - (d) Lateral inversion
10. Evaporation of water from the soil surface is due to heat from:
 - (a) Sun
 - (b) Earth
 - (c) Moon
 - (d) Fire
11. Maximum-minimum thermometer are used to measure
 - (a) humidity
 - (b) maximum and minimum temperature
 - (c) rainfall
 - (d) wind
12. Humidity is measured by using
 - (a) Thermometer
 - (b) Rain gauge
 - (c) Hygrometer
 - (d) All of these
13. Rain gauge is used to measure
 - (a) humidity
 - (b) rainfall
 - (c) temperature
 - (d) all of these
14. The process of changing water into ice is called
 - (a) Sublimation
 - (b) Evaporation
 - (c) freezing
 - (d) precipitation
15. The process of falling down of water in the form of rain, snow or hail is called
 - (a) Sublimation
 - (b) Evaporation
 - (c) Condensation
 - (d) Precipitation
16. How much water is lost approximately through transpiration by wheat plants that give one kilogram of wheat ?
 - (a) 5 litres
 - (b) 50 litres
 - (c) 500 litres
 - (d) 5000 litres
17. Water freezes at ___ to a solid state called snow or ice
 - (a) 0°C
 - (b) -1°C
 - (c) 1°C
 - (d) 100°C
18. A tester is used to check the conduction of electricity through two liquids, labelled A and B. It is found that the bulb of the tester glows

brightly for liquid A while it glows very dimly for liquid B. You would conclude that



- (a) liquid A is a better conductor than liquid B.
 - (b) liquid B is a better conductor than liquid A.
 - (c) both liquids are equally conducting
 - (d) conducting properties of liquid cannot be compared in this manner.
19. Silicon is a :
 - (a) Conductor
 - (b) Insulator
 - (c) Semiconductor
 - (d) Superconductor
 20. Water occurs in the atmosphere in how many forms?
 - (a) One
 - (b) Two
 - (c) Three
 - (d) Four
 21. What will happen when diaphragm relaxes and curves upwards?
 - (a) Air is forced out of the lungs
 - (b) The rib cage goes up and outward
 - (c) The volume of the thoracic cavity increases
 - (d) Air pressure inside the thoracic cavity decreases
 22. When we inhale, we breathe in air into the lungs. What do we breathe out when we exhale?
 - (a) Only oxygen gas
 - (b) Only hydrogen gas
 - (c) Air that has more oxygen than inhaled air
 - (d) Air that has more carbon dioxide than inhaled air
 23. Which one of the following structures closes the respiratory passage during ingestion of food?
 - (a) Larynx
 - (b) Epiglottis
 - (c) Hard palate
 - (d) Soft palate
 24. The covering of lungs is called
 - (a) Pericardium
 - (b) Pleural membrane
 - (c) Perichondrium
 - (d) Peritoneum
 25. The narrowest and most numerous tubes of lungs are termed as
 - (a) Bronchus
 - (b) Alveoli
 - (c) Bronchioles
 - (d) Hilum
 26. Which of the following will lead to a reduction in the availability of ground water ?
 - (a) Plantation
 - (b) Rain water harvesting
 - (c) Constructing more lakes
 - (d) Building accrete roads
 27. Cotton bolls are which part of the plant?
 - (a) Flower
 - (b) Fruit
 - (c) Stem
 - (d) Root
 28. Earth worm takes oxygen from the soil through:
 - (a) Lungs
 - (b) Gills
 - (c) Moist skin
 - (d) Spiracles
 29. Oxygen and carbon dioxide are replaced in nature through:
 - (a) Photosynthesis
 - (b) Respiration
 - (c) Both (A) and (B)
 - (d) None of these
 30. Sugar is obtained from
 - (a) sugarcane
 - (b) beetroot
 - (c) Both a and b
 - (d) none

Section - B Mathematics

This section contains **20 Multiple Choice Questions**. Each question has four options out of which **ONLY ONE** is correct.

31. Solve : $2^{x+1} = 8^x$

- (a) 1
- (b) 3
- (c) $-\frac{1}{3}$
- (d) $\frac{1}{2}$

32. Which of the following is not equal to y^6 ?

- (a) $[y^{2/3}]^9$
- (b) $[\sqrt{y^6}]^2$
- (c) $\sqrt[3]{y^{18}}$
- (d) $[y^{1/3}]^{12}$

33. $16^{\frac{5}{2}} \div 16^{\frac{1}{2}} = ?$

- (a) 250
- (b) 256
- (c) 255
- (d) 200

34. Find the value of p so that $\left(\frac{4}{5}\right)^3 \div \left(\frac{4}{5}\right)^{-3} = \left(\frac{4}{5}\right)^{3p}$.

- (a) 3
- (b) 0
- (c) 2
- (d) 1

35. The value of $3\sqrt[3]{2} \times 7\sqrt[3]{6} \times 5\sqrt[3]{18}$

- (a) 545
- (b) 500
- (c) 630
- (d) 400

36. The value of $\left(\frac{x^{-a^2}}{x^{-b^2}}\right)^{\frac{1}{a+b}} \cdot \left(\frac{x^{-b^2}}{x^{-c^2}}\right)^{\frac{1}{b+c}} \cdot \left(\frac{x^{-c^2}}{x^{-a^2}}\right)^{\frac{1}{c+a}}$ is

- (a) 0
- (b) 1
- (c) 2
- (d) 3

37. Given that $-0.3k + 2.1 = 0.4k$, the value of k =

- (a) 21
- (b) 7
- (c) 3
- (d) -1

38. If $\frac{1}{7} + \frac{x}{7} = 3$, then the value of x =

- (a) 20
- (b) 7
- (c) 3
- (d) 1

39. Three-fourths of a number is 60 more than its one-third. The number is

- (a) 108
- (b) 84
- (c) 144
- (d) 116

40. If 10 is added to four times a certain number, the result is 5 less than five times the number. Find the number.

- (a) 10
- (b) 15
- (c) 20
- (d) 25

41. There were only two candidates in an election. One got 62% votes and was elected by a margin of 144 votes. The total number of votes were

- (a) 500
- (b) 600
- (c) 700
- (d) 800

42. A quadrilateral can have

- (a) 4 acute angles
- (b) 4 obtuse angles
- (c) 3 obtuse angles
- (d) 2 right angles and 2 obtuse angles

43. A regular polygon is

- (a) equilateral
- (b) equiangular
- (c) both (A) & (B)
- (d) none of these

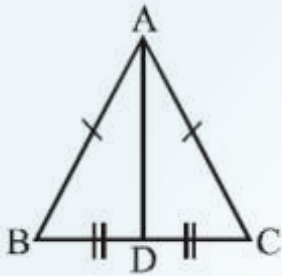
44. If PQRS is a parallelogram, then $\angle P - \angle R$ is

- (a) 0°
- (b) 90°
- (c) 180°
- (d) 360°

45. In a ΔABC , If $AB + BC = 10$ cm, $BC + CA = 12$ cm, $CA + AB = 16$ cm, then the perimeter of the triangle is :

- (a) 19 cm
- (b) 17 cm
- (c) 28 cm
- (d) None of these

46. In the following figure, If $AB = AC$ and $BD = DC$, then $\angle ADC =$



- (a) 60°
(b) 120°
(c) 90°
(d) 45°
47. If two sides of an isosceles triangles are 3 cm and 8 cm, then the length of the third side is :
- (a) 3 cm
(b) 8 cm
(c) 3 cm or 8 cm
(d) 5 cm
48. The three angles of a triangle are in the ratio 1 : 2 : 1, then the greatest angle is :
- (a) 45°
(b) 90°
(c) 60°
(d) 120°
49. An exterior angle of a triangle is _____ the sum of its interior opposite angles
- (a) Greater than
(b) Less than
(c) Equal to
(d) Greater or equal to
50. In a $\triangle PQR$, $PQ = PR$ and $\angle Q$ is twice that of $\angle P$. Then $\angle Q =$
- (a) 72°
(b) 36°
(c) 144°
(d) 108°

Section - C Mental Ability

This section contains **10 Multiple Choice Questions**. Each question has four options out of which **ONLY ONE** is correct.

51. How many triangles are there in the following figure?



- (a) 6
(b) 7
(c) 8
(d) 9
52. 3, 8, 15, 24, 34, 48, 63
(a) 15
(b) 24
(c) 34
(d) 48
53. 24, 27, 31, 33, 36
(a) 24
(b) 27
(c) 31
(d) 33
54. 5.40, 8.00, 10.20, 12.40, 3.00, 5.20
(a) 7.40
(b) 8.00
(c) 10.20
(d) 12.30
55. BEGK is related to ADFJ in the same way as PSVY is related to?....
(a) LOQT
(b) ROUX
(c) OTUZ
(d) ORUX
56. A's father's mother-in-law's only daughter's son is B. How is A related to B?
(a) Brother
(b) Sister
(c) Nephew
(d) Cannot be determined
57. A person starts towards South direction. Which of the following orders of direction will lead him to East direction ?
(a) Right, Right Right
(b) Left, Left, Left
(c) Left, Right, Right
(d) Right, Left, Right
58. Mohit walks 6 km to the East and turns to the South and walks 5 km. Again he turns to the East and walks 6 km. Next, he turns northwards and walks 10 km. How far is he from his starting point?
(a) 5 km
(b) 12 km
(c) 13 km
(d) 17 km
59. BLOCKED : YOLXPVW :: ? : OZFMXS
(a) LAUNCH
(b) DEBATE
(c) LABOUR
(d) RESULT
60. Ashok is facing North. He turns 45 degrees in the clockwise direction and then turns 90 degrees in the anticlockwise direction. Finally, he turns back. Which direction is he facing now ?
(a) South-East
(b) South-West
(c) North-East
(d) North-West



ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	d	c	d	a	d	c	d	b	a	a	b	c	b	c	d	c	a	a	c	c
Que.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Ans.	a	d	b	b	c	d	b	c	c	a	d	d	b	c	c	b	c	a	c	b
Que.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	b	c	c	a	a	c	b	b	b	a	a	c	c	a	d	d	a	c	d	a