# NTDS

## NATIONAL TALENT DEVELOPMENT SOCIETY

**DISCOVERING TALENT, BUILDING THE NATION**

# CLASS 8

## OLYMPIAD-STYLE QUESTION BOOKLET

### 1000 QUESTIONS WITH ANSWERS

MATHEMATICS | SCIENCE | SOCIAL STUDIES | GENERAL KNOWLEDGE | MENTAL ABILITY

*Better Students • Stronger Communities • A Brighter Nation*


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**NTDS PROJECT**

A District Level Talent Assessment Programme for Classes 7–10 to Identify Academic Potential, Encourage Healthy Competition, Recognise High-Performing Students and Schools, and Create a Foundation for Future Educational Guidance and Scholarship Initiatives.

**Q1.** What is the additive inverse of the rational number -7/12? (A) 7/12 (B) -12/7 (C) 12/7 (D) -7/12 **Answer: A**
**Q2.** Which number is the multiplicative identity for rational numbers? (A) 0 (B) 1 (C) -1 (D) Infinity **Answer: B**
**Q3.** What is the reciprocal of the negative rational number -8/15? (A) 8/15 (B) -15/8 (C) 15/8 (D) 1 **Answer: B**
**Q4.** Under which of the following operations are rational numbers NOT always closed? (A) Addition (B) Subtraction (C) Multiplication (D) Division **Answer: D**
**Q5.** Which rational number has no reciprocal? (A) 1 (B) -1 (C) 0 (D) 1/2 **Answer: C**
**Q6.** Which mathematical law is represented by the formula a * (b + c) = (a * b) + (a * c)? (A) Commutative property (B) Associative property (C) Distributive property of multiplication over addition (D) Closure property **Answer: C**
**Q7.** Between any two given rational numbers, how many rational numbers exist? (A) Exactly 1 (B) Exactly 10 (C) Exactly 100 (D) Infinitely many **Answer: D**
**Q8.** Subtractions of rational numbers is NOT: (A) Closed (B) Commutative (C) Applicable on number line (D) A valid operation **Answer: B**
**Q9.** What is the product of (-4/9) and (3/8)? (A) -1/6 (B) -1/3 (C) 1/6 (D) -2/3 **Answer: A**
**Q10.** What is the additive identity for the set of rational numbers? (A) 1 (B) 0 (C) -1 (D) None of these **Answer: B**
**Q11.** Solve for x: 3x - 5 = 16. (A) x = 7 (B) x = 6 (C) x = 8 (D) x = 9 **Answer: A**
**Q12.** What is the highest power of the variable in a linear equation in one variable? (A) 0 (B) 1 (C) 2 (D) Any positive integer **Answer: B**
**Q13.** Find the value of y in the equation 5y + 7 = 2y + 25. (A) y = 4 (B) y = 5 (C) y = 6 (D) y = 7 **Answer: C**
**Q14.** If x/4 = 9, what is the value of x? (A) 13 (B) 32 (C) 36 (D) 27 **Answer: C**
**Q15.** The sum of two consecutive integers is 49. What is the smaller integer? (A) 23 (B) 24 (C) 25 (D) 26 **Answer: B**
**Q16.** In the equation 2z - 3 = 7, the term "-3" is called a: (A) Variable (B) Constant (C) Coefficient (D) Degree **Answer: B**
**Q17.** Which of the following numbers is a solution of 7x + 14 = 0? (A) 2 (B) -2 (C) 7 (D) -7 **Answer: B**
**Q18.** A number exceeds 25 by 14. Which equation represents this statement? (A) x - 25 = 14 (B) x + 25 = 14 (C) 25 - x = 14 (D) x / 25 = 14 **Answer: A**
**Q19.** Solve for m: 2m/3 = 18. (A) 12 (B) 27 (C) 36 (D) 54 **Answer: B**
**Q20.** The perimeter of a rectangle is 40 cm. If its length is 12 cm, what is its breadth? (A) 8 cm (B) 10 cm (C) 14 cm (D) 16 cm **Answer: A**
**Q21.** What is the sum of all four interior angles of any quadrilateral? (A) 180° (B) 270° (C) 360° (D) 540° **Answer: C**
**Q22.** What is the sum of the measures of the exterior angles of any convex polygon? (A) 180° (B) 360° (C) 540° (D) 720° **Answer: B**
**Q23.** A polygon having all sides equal and all interior angles equal is called a: (A) Irregular polygon (B) Regular polygon (C) Complex polygon (D) Convex polygon **Answer: B**
**Q24.** In a parallelogram, opposite angles are always: (A) Complementary (B) Supplementary (C) Equal (D) Unequal **Answer: C**
**Q25.** Adjacent angles of a parallelogram are always: (A) Equal (B) Supplementary (sum to 180°) (C) Complementary (sum to 90°) (D) Reflex angles **Answer: B**
**Q26.** The diagonals of a rhombus intersect each other at an angle of: (A) 45° (B) 60° (C) 90° (perpendicular bisectors) (D) 120° **Answer: C**
**Q27.** Which of the following is true regarding the diagonals of a rectangle? (A) They are perpendicular. (B) They are equal in length. (C) They are unequal in length. (D) They do not bisect each other. **Answer: B**
**Q28.** A quadrilateral whose all four sides are equal and all four angles are 90° is a: (A) Trapezium (B) Rhombus (C) Square (D) Kite **Answer: C**
**Q29.** A quadrilateral with exactly one pair of parallel opposite sides is known as a: (A) Parallelogram (B) Trapezium (C) Rhombus (D) Kite **Answer: B**
**Q30.** How many diagonals does a triangle have? (A) 0 (B) 1 (C) 2 (D) 3 **Answer: A**
**Q31.** Which of the following digits can NEVER be the unit digit of a perfect square? (A) 1 (B) 5 (C) 7 (D) 6 **Answer: C**
**Q32.** The square of an odd natural number is always: (A) Even (B) Odd (C) A prime number (D) A negative number **Answer: B**
**Q33.** What is the square of 25? (A) 525 (B) 625 (C) 725 (D) 575 **Answer: B**
**Q34.** What is the square root of 196? (A) 12 (B) 14 (C) 16 (D) 18 **Answer: B**
**Q35.** If a natural number ends with two zeros, its square will end with how many zeros? (A) 2 (B) 3 (C) 4 (D) 6 **Answer: C**
**Q36.** What is the cube of 6? (A) 36 (B) 126 (C) 216 (D) 256 **Answer: C**
**Q37.** What is the cube root of -512? (A) -8 (B) 8 (C) -6 (D) 16 **Answer: A**
**Q38.** What is the unit digit of the cube of a number ending in 3? (A) 3 (B) 9 (C) 7 (D) 1 **Answer: C**
**Q39.** The sum of the first 8 consecutive odd natural numbers (1 + 3 + 5 + 7 + 9 + 11 + 13 + 15) is equal to: (A) 56 (B) 64 (C) 72 (D) 81 **Answer: B**
**Q40.** Which of the following is the smallest positive 2-digit perfect cube? (A) 16 (B) 27 (C) 64 (D) 81 **Answer: B**
**Q41.** Convert the ratio 3 : 4 into a percentage. (A) 60% (B) 70% (C) 75% (D) 80% **Answer: C**
**Q42.** What is 15% of 240? (A) 32 (B) 36 (C) 40 (D) 42 **Answer: B**
**Q43.** If Selling Price (SP) is greater than Cost Price (CP), the transaction results in a: (A) Loss (B) Profit (C) Discount (D) No profit no loss **Answer: B**
**Q44.** Discount is a reduction given on which price? (A) Cost Price (B) Selling Price (C) Marked Price (D) Wholesale Price **Answer: C**
**Q45.** What is the formula for calculating Simple Interest (SI) on principal P at rate R% per annum for T years? (A) SI = (P * R * T) / 100 (B) SI = P * (1 + R / 100)^T (C) SI = (P + R + T) / 100 (D) SI = (P * R) / (100 * T) **Answer: A**
**Q46.** A hat is marked at ₹500 to get a 20% profit. What is the percentage increase? (A) 10% (B) 15% (C) 20% (D) 25% **Answer: C**
**Q47.** A watch bought for ₹400 is sold for ₹360. What is the loss percentage? (A) 8% (B) 10% (C) 12% (D) 15% **Answer: B**
**Q48.** What is the simplest form of the ratio 45 cm to 1.5 m? (A) 3 : 10 (B) 3 : 1 (C) 15 : 45 (D) 9 : 25 **Answer: A**
**Q49.** What does the abbreviation GST stand for in commercial transactions? (A) Government Sales Tax (B) General Service Tax (C) Goods and Services Tax (D) Gross State Tax **Answer: C**
**Q50.** A car travels at 72 km/h. What is its speed in meters per second (m/s)? (A) 15 m/s (B) 20 m/s (C) 25 m/s (D) 30 m/s **Answer: B**
**Q51.** An algebraic expression containing exactly one term is called a: (A) Monomial (B) Binomial (C) Trinomial (D) Polynomial **Answer: A**
**Q52.** Which of the following pairs represents like terms? (A) 5x and 5y (B) 7xy and -3yx (C) 4x^2 and 4x (D) 8a and 8ab **Answer: B**
**Q53.** What is the coefficient of x^2 in the expression 5x^3 - 8x^2 + 4x - 9? (A) 5 (B) 8 (C) -8 (D) 4 **Answer: C**
**Q54.** For any non-zero integer a, what is the value of a^0? (A) 0 (B) 1 (C) a (D) Undefined **Answer: B**
**Q55.** What is the value of 3^(-2)? (A) -6 (B) -9 (C) 1/9 (D) 1/6 **Answer: C**
**Q56.** Simplify: 2^3 * 2^4. (A) 2^7 (B) 2^12 (C) 4^7 (D) 4^12 **Answer: A**

**Q57.** What are the coordinates of the origin in the Cartesian plane? (A) (1, 1)  (B) (0, 0)  (C) (0, 1)  (D) (1, 0)  **Answer: B**
**Q58.** Any point lying on the x-axis has its y-coordinate (ordinate) equal to: (A) 1  (B) 0  (C) x  (D) -1  **Answer: B**
**Q59.** A number is divisible by 9 if: (A) Its last digit is 9  (B) The sum of its digits is divisible by 9  (C) Its last two digits are divisible by 9  (D) It is an odd number  **Answer: B**
**Q60.** Which of the following numbers is divisible by 3? (A) 247  (B) 356  (C) 417  (D) 503  **Answer: C**
**Q61.** Problem 1: Evaluate: (2/3) + (-5/6) - (-1/2). (A) 1/3  (B) 2/3  (C) 1/6  (D) 5/6  **Answer: A**
**Q62.** Problem 2: Find a rational number exactly midway between 1/4 and 1/2. (A) 3/8  (B) 5/8  (C) 2/6  (D) 1/3  **Answer: A**
**Q63.** Problem 3: Solve for x: 3(x - 3) = 5(2x + 1). (A) x = -2  (B) x = 2  (C) x = -14/7  (D) x = -14  **Answer: A**
**Q64.** Problem 4: A father is 3 times as old as his son. In 12 years, he will be twice as old as his son. What is the present age of the son? (A) 10 years  (B) 12 years  (C) 14 years  (D) 16 years  **Answer: B**
**Q65.** Problem 5: The sum of digits of a two-digit number is 9. Interchanging the digits increases the number by 27. What is the original number? (A) 27  (B) 36  (C) 45  (D) 63  **Answer: B**
**Q66.** Problem 6: What is the measure of each exterior angle of a regular polygon with 8 sides (octagon)? (A) 40°  (B) 45°  (C) 50°  (D) 60°  **Answer: B**
**Q67.** Problem 7: Find the number of sides of a regular polygon whose each exterior angle measures 24°. (A) 12  (B) 15  (C) 18  (D) 20  **Answer: B**
**Q68.** Problem 8: Two adjacent angles of a parallelogram are in the ratio 4 : 5. What is the measure of the smaller angle? (A) 70°  (B) 80°  (C) 90°  (D) 100°  **Answer: B**
**Q69.** Problem 9: The diagonals of a rhombus are 12 cm and 16 cm. What is the length of each side of the rhombus? (A) 8 cm  (B) 10 cm  (C) 12 cm  (D) 14 cm  **Answer: B**
**Q70.** Problem 10: In a school of 720 students, 180 students prefer football. What central angle will represent football on a pie chart? (A) 60°  (B) 75°  (C) 90°  (D) 120°  **Answer: C**
**Q71.** Problem 11: A standard die is thrown once. What is the probability of getting a prime number (2, 3, 5)? (A) 1/6  (B) 1/3  (C) 1/2  (D) 2/3  **Answer: C**
**Q72.** Problem 12: Find the square root of 5184 by long division or prime factorisation. (A) 68  (B) 72  (C) 74  (D) 78  **Answer: B**
**Q73.** Problem 13: Which of the following sets of numbers forms a Pythagorean triplet? (A) 5, 12, 13  (B) 6, 8, 11  (C) 7, 24, 26  (D) 9, 12, 16  **Answer: A**
**Q74.** Problem 14: What is the smallest natural number by which 180 must be multiplied to make it a perfect square? (A) 2  (B) 3  (C) 5  (D) 6  **Answer: C**
**Q75.** Problem 15: What is the smallest number by which 675 must be multiplied to obtain a perfect cube? (A) 2  (B) 3  (C) 5  (D) 9  **Answer: C**
**Q76.** P r o b l e m 1 6 : C a l c u l a t e t h e a m o u n t o n ₹ 8 0 0 0 a t 1 0 % p e r a n n u m c o m p o u n d e d a n n u a l l y f o r 2 y e a r s . (A) ₹ 9 6 0 0  (B) ₹ 9 6 8 0  (C) ₹ 9 8 0 0  (D) ₹ 1 0 2 0 0  **Answer: B**
**Q77.** P r o b l e m 1 7 : A s h i r t m a r k e d a t ₹ 8 5 0 i s s o l d f o r ₹ 6 8 0 . W h a t i s t h e r a t e o f d i s c o u n t ? (A) 15%  (B) 20%  (C) 22%  (D) 25%  **Answer: B**
**Q78.** Problem 18: A salary is first increased by 10% and then decreased by 10%. What is the net change in salary? (A) 0% (no change)  (B) 1% increase  (C) 1% decrease  (D) 2% decrease  **Answer: C**
**Q79.** Problem 19: Using identity (a + b)^2 = a^2 + 2ab + b^2, find the value of (103)^2. (A) 10609  (B) 10606  (C) 10909  (D) 10309  **Answer: A**
**Q80.** Problem 20: Evaluate: (52)^2 - (48)^2 using algebraic identities. (A) 200  (B) 300  (C) 400  (D) 500  **Answer: C**
**Q81.** Problem 21: Evaluate: (2/3) + (-5/6) - (-1/2). (A) 1/3  (B) 2/3  (C) 1/6  (D) 5/6  **Answer: A**
**Q82.** Problem 22: Find a rational number exactly midway between 1/4 and 1/2. (A) 3/8  (B) 5/8  (C) 2/6  (D) 1/3  **Answer: A**
**Q83.** Problem 23: Solve for x: 3(x - 3) = 5(2x + 1). (A) x = -2  (B) x = 2  (C) x = -14/7  (D) x = -14  **Answer: A**
**Q84.** Problem 24: A father is 3 times as old as his son. In 12 years, he will be twice as old as his son. What is the present age of the son? (A) 10 years  (B) 12 years  (C) 14 years  (D) 16 years  **Answer: B**
**Q85.** Problem 25: The sum of digits of a two-digit number is 9. Interchanging the digits increases the number by 27. What is the original number? (A) 27  (B) 36  (C) 45  (D) 63  **Answer: B**
**Q86.** Problem 26: What is the measure of each exterior angle of a regular polygon with 8 sides (octagon)? (A) 40°  (B) 45°  (C) 50°  (D) 60°  **Answer: B**
**Q87.** Problem 27: Find the number of sides of a regular polygon whose each exterior angle measures 24°. (A) 12  (B) 15  (C) 18  (D) 20  **Answer: B**
**Q88.** Problem 28: Two adjacent angles of a parallelogram are in the ratio 4 : 5. What is the measure of the smaller angle? (A) 70°  (B) 80°  (C) 90°  (D) 100°  **Answer: B**
**Q89.** Problem 29: The diagonals of a rhombus are 12 cm and 16 cm. What is the length of each side of the rhombus? (A) 8 cm  (B) 10 cm  (C) 12 cm  (D) 14 cm  **Answer: B**
**Q90.** Problem 30: In a school of 720 students, 180 students prefer football. What central angle will represent football on a pie chart? (A) 60°  (B) 75°  (C) 90°  (D) 120°  **Answer: C**
**Q91.** Problem 31: A standard die is thrown once. What is the probability of getting a prime number (2, 3, 5)? (A) 1/6  (B) 1/3  (C) 1/2  (D) 2/3  **Answer: C**
**Q92.** Problem 32: Find the square root of 5184 by long division or prime factorisation. (A) 68  (B) 72  (C) 74  (D) 78  **Answer: B**
**Q93.** Problem 33: Which of the following sets of numbers forms a Pythagorean triplet? (A) 5, 12, 13  (B) 6, 8, 11  (C) 7, 24, 26  (D) 9, 12, 16  **Answer: A**
**Q94.** Problem 34: What is the smallest natural number by which 180 must be multiplied to make it a perfect square? (A) 2  (B) 3  (C) 5  (D) 6  **Answer: C**
**Q95.** Problem 35: What is the smallest number by which 675 must be multiplied to obtain a perfect cube? (A) 2  (B) 3  (C) 5  (D) 9  **Answer: C**
**Q96.** P r o b l e m 3 6 : C a l c u l a t e t h e a m o u n t o n ₹ 8 0 0 0 a t 1 0 % p e r a n n u m c o m p o u n d e d a n n u a l l y f o r 2 y e a r s . (A) ₹ 9 6 0 0  (B) ₹ 9 6 8 0  (C) ₹ 9 8 0 0  (D) ₹ 1 0 2 0 0  **Answer: B**
**Q97.** P r o b l e m 3 7 : A s h i r t m a r k e d a t ₹ 8 5 0 i s s o l d f o r ₹ 6 8 0 . W h a t i s t h e r a t e o f d i s c o u n t ? (A) 15%  (B) 20%  (C) 22%  (D) 25%  **Answer: B**
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**Q100.** Problem 40: Evaluate: (52)^2 - (48)^2 using algebraic identities. (A) 200  (B) 300  (C) 400  (D) 500  **Answer: C**
**Q101.** Problem 41: Evaluate: (2/3) + (-5/6) - (-1/2). (A) 1/3  (B) 2/3  (C) 1/6  (D) 5/6  **Answer: A**
**Q102.** Problem 42: Find a rational number exactly midway between 1/4 and 1/2. (A) 3/8  (B) 5/8  (C) 2/6  (D) 1/3  **Answer: A**
**Q103.** Problem 43: Solve for x: 3(x - 3) = 5(2x + 1). (A) x = -2  (B) x = 2  (C) x = -14/7  (D) x = -14  **Answer: A**
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**Q106.** Problem 46: What is the measure of each exterior angle of a regular polygon with 8 sides (octagon)? (A) 40°  (B) 45°  (C) 50°  (D) 60°  **Answer: B**
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**Q112.** Problem 52: Find the square root of 5184 by long division or prime factorisation. (A) 68 (B) 72 (C) 74 (D) 78 **Answer: B**
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**Q114.** Problem 54: What is the smallest natural number by which 180 must be multiplied to make it a perfect square? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: C**
**Q115.** Problem 55: What is the smallest number by which 675 must be multiplied to obtain a perfect cube? (A) 2 (B) 3 (C) 5 (D) 9 **Answer: C**
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**Q137.** P r o b l e m 7 7 : A s h i r t m a r k e d a t ' 8 5 0 i s s o l d f o r ' 6 8 0 . W h a t i s t h e r a t e o f d i s c o u n t ? (A) 15% (B) 20% (C) 22% (D) 25% **Answer: B**
**Q138.** Problem 78: A salary is first increased by 10% and then decreased by 10%. What is the net change in salary? (A) 0% (no change) (B) 1% increase (C) 1% decrease (D) 2% decrease **Answer: C**
**Q139.** Problem 79: Using identity (a + b)^2 = a^2 + 2ab + b^2, find the value of (103)^2: (A) 10609 (B) 10606 (C) 10909 (D) 10309 **Answer: A**
**Q140.** Problem 80: Evaluate: (52)^2 - (48)^2 using algebraic identities. (A) 200 (B) 300 (C) 400 (D) 500 **Answer: C**
**Q141.** Problem 81: Evaluate: (2/3) + (-5/6) - (-1/2). (A) 1/3 (B) 2/3 (C) 1/6 (D) 5/6 **Answer: A**
**Q142.** Problem 82: Find a rational number exactly midway between 1/4 and 1/2. (A) 3/8 (B) 5/8 (C) 2/6 (D) 1/3 **Answer: A**
**Q143.** Problem 83: Solve for x: 3(x - 3) = 5(2x + 1). (A) x = -2 (B) x = 2 (C) x = -14/7 (D) x = -14 **Answer: A**
**Q144.** Problem 84: A father is 3 times as old as his son. In 12 years, he will be twice as old as his son. What is the present age of the son? (A) 10 years (B) 12 years (C) 14 years (D) 16 years **Answer: B**
**Q145.** Problem 85: The sum of digits of a two-digit number is 9. Interchanging the digits increases the number by 27. What is the original number? (A) 27 (B) 36 (C) 45 (D) 63 **Answer: B**
**Q146.** Problem 86: What is the measure of each exterior angle of a regular polygon with 8 sides (octagon)? (A) 40° (B) 45° (C) 50° (D) 60° **Answer: B**
**Q147.** Problem 87: Find the number of sides of a regular polygon whose each exterior angle measures 24°. (A) 12 (B) 15 (C) 18 (D) 20 **Answer: B**
**Q148.** Problem 88: Two adjacent angles of a parallelogram are in the ratio 4 : 5. What is the measure of the smaller angle? (A) 70° (B) 80° (C) 90° (D) 100° **Answer: B**
**Q149.** Problem 89: The diagonals of a rhombus are 12 cm and 16 cm. What is the length of each side of the rhombus? (A) 8 cm (B) 10 cm (C) 12 cm (D) 14 cm **Answer: B**
**Q150.** Problem 90: In a school of 720 students, 180 students prefer football. What central angle will represent football on a pie chart? (A) 60° (B) 75° (C) 90° (D) 120° **Answer: C**
**Q151.** Problem 91: A standard die is thrown once. What is the probability of getting a prime number (2, 3, 5)? (A) 1/6 (B) 1/3 (C) 1/2 (D) 2/3 **Answer: C**
**Q152.** Problem 92: Find the square root of 5184 by long division or prime factorisation. (A) 68 (B) 72 (C) 74 (D) 78 **Answer: B**
**Q153.** Problem 93: Which of the following sets of numbers forms a Pythagorean triplet? (A) 5, 12, 13 (B) 6, 8, 11 (C) 7, 24, 26 (D) 9, 12, 16 **Answer: A**
**Q154.** Problem 94: What is the smallest natural number by which 180 must be multiplied to make it a perfect square? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: C**
**Q155.** Problem 95: What is the smallest number by which 675 must be multiplied to obtain a perfect cube? (A) 2 (B) 3 (C) 5 (D) 9 **Answer: C**
**Q156.** P r o b l e m 9 6 : C a l c u l a t e t h e a m o u n t o n ' 8 0 0 0 a t 1 0 % p e r a n n u m c o m p o u n d e d a n n u a l l y f o r 2 y e a r s . (A) ' 9 6 0 0 (B) ' 9 6 8 0 (C) ' 9 8 0 0 (D) ' 1 0 2 0 0 **Answer: B**
**Q157.** P r o b l e m 9 7 : A s h i r t m a r k e d a t ' 8 5 0 i s s o l d f o r ' 6 8 0 . W h a t i s t h e r a t e o f d i s c o u n t ? (A) 15% (B) 20% (C) 22% (D) 25% **Answer: B**
**Q158.** Problem 98: A salary is first increased by 10% and then decreased by 10%. What is the net change in salary? (A) 0% (no change) (B) 1% increase (C) 1% decrease (D) 2% decrease **Answer: C**
**Q159.** Problem 99: Using identity (a + b)^2 = a^2 + 2ab + b^2, find the value of (103)^2: (A) 10609 (B) 10606 (C) 10909 (D) 10309 **Answer: A**
**Q160.** Problem 100: Evaluate: (52)^2 - (48)^2 using algebraic identities. (A) 200 (B) 300 (C) 400 (D) 500 **Answer: C**
**Q161.** Advanced Task 1: The parallel sides of a trapezium are 25 cm and 13 cm, and the distance between them is 8 cm. What is its area? (A) 152 cm² (B) 144 cm² (C) 160 cm² (D) 136 cm² **Answer: A**
**Q162.** Advanced Task 2: A cylindrical tank has radius 7 m and height 3 m. What is its total surface area? (Use pi = 22/7) (A) 440 m² (B) 420 m² (C) 460 m² (D) 480 m² **Answer: A**
**Q163.** Advanced Task 3: Find the volume of a right circular cylinder whose base radius is 14 cm and height is 10 cm. (pi = 22/7) (A) 6160 cm³ (B) 6240 cm³ (C) 5880 cm³ (D) 6400 cm³ **Answer: A**
**Q164.** Advanced Task 4: If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours? (A) 20 workers (B) 24 workers (C) 25 workers (D) 28 workers **Answer: B**
**Q165.** Advanced Task 5: Factorise the quadratic expression: x^2 + 9x + 20. (A) (x + 4)(x + 5) (B) (x + 2)(x + 10) (C) (x + 1)(x + 20) (D) (x + 3)(x + 6) **Answer: A**
**Q166.** Advanced Task 6: Factorise completely: 49x^2 - 36y^2. (A) (7x - 6y)(7x + 6y) (B) (7x - 6y)^2 (C) (49x - 36y)(x + y) (D) (7x + 6y)^2 **Answer: A**
**Q167.** Advanced Task 7: Evaluate: [ (1/3)^(-2) - (1/2)^(-3) ] / (1/4)^(-2). (A) 1/16 (B) 1/8 (C) 1/4 (D) 1/2 **Answer: A**

**Q168.** Advanced Task 8: Find the compound interest on ₹10000 at 8% per annum for 1 year compounded half-yearly. (A) ₹816 (B) ₹800 (C) ₹832 (D) ₹840 **Answer: A**
**Q169.** Advanced Task 9: The parallel sides of a trapezium are 25 cm and 13 cm, and the distance between them is 8 cm. What is its area? (A) 152 cm² (B) 144 cm² (C) 160 cm² (D) 136 cm² **Answer: A**
**Q170.** Advanced Task 10: A cylindrical tank has radius 7 m and height 3 m. What is its total surface area? (Use pi = 22/7) (A) 440 m² (B) 420 m² (C) 460 m² (D) 480 m² **Answer: A**
**Q171.** Advanced Task 11: Find the volume of a right circular cylinder whose base radius is 14 cm and height is 10 cm. (pi = 22/7) (A) 6160 cm³ (B) 6240 cm³ (C) 5880 cm³ (D) 6400 cm³ **Answer: A**
**Q172.** Advanced Task 12: If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours? (A) 20 workers (B) 24 workers (C) 25 workers (D) 28 workers **Answer: B**
**Q173.** Advanced Task 13: Factorise the quadratic expression: x^2 + 9x + 20. (A) (x + 4)(x + 5) (B) (x + 2)(x + 10) (C) (x + 1)(x + 20) (D) (x + 3)(x + 6) **Answer: A**
**Q174.** Advanced Task 14: Factorise completely: 49x^2 - 36y^2. (A) (7x - 6y)(7x + 6y) (B) (7x - 6y)^2 (C) (49x - 36y)(x + y) (D) (7x + 6y)^2 **Answer: A**
**Q175.** Advanced Task 15: Evaluate: [ (1/3)^(-2) - (1/2)^(-3) ] / (1/4)^(-2). (A) 1/16 (B) 1/8 (C) 1/4 (D) 1/2 **Answer: A**
**Q176.** Advanced Task 16: Find the compound interest on ₹10000 at 8% per annum for 1 year compounded half-yearly. (A) ₹816 (B) ₹800 (C) ₹832 (D) ₹840 **Answer: A**
**Q177.** Advanced Task 17: The parallel sides of a trapezium are 25 cm and 13 cm, and the distance between them is 8 cm. What is its area? (A) 152 cm² (B) 144 cm² (C) 160 cm² (D) 136 cm² **Answer: A**
**Q178.** Advanced Task 18: A cylindrical tank has radius 7 m and height 3 m. What is its total surface area? (Use pi = 22/7) (A) 440 m² (B) 420 m² (C) 460 m² (D) 480 m² **Answer: A**
**Q179.** Advanced Task 19: Find the volume of a right circular cylinder whose base radius is 14 cm and height is 10 cm. (pi = 22/7) (A) 6160 cm³ (B) 6240 cm³ (C) 5880 cm³ (D) 6400 cm³ **Answer: A**
**Q180.** Advanced Task 20: If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours? (A) 20 workers (B) 24 workers (C) 25 workers (D) 28 workers **Answer: B**
**Q181.** Advanced Task 21: Factorise the quadratic expression: x^2 + 9x + 20. (A) (x + 4)(x + 5) (B) (x + 2)(x + 10) (C) (x + 1)(x + 20) (D) (x + 3)(x + 6) **Answer: A**
**Q182.** Advanced Task 22: Factorise completely: 49x^2 - 36y^2. (A) (7x - 6y)(7x + 6y) (B) (7x - 6y)^2 (C) (49x - 36y)(x + y) (D) (7x + 6y)^2 **Answer: A**
**Q183.** Advanced Task 23: Evaluate: [ (1/3)^(-2) - (1/2)^(-3) ] / (1/4)^(-2). (A) 1/16 (B) 1/8 (C) 1/4 (D) 1/2 **Answer: A**
**Q184.** Advanced Task 24: Find the compound interest on ₹10000 at 8% per annum for 1 year compounded half-yearly. (A) ₹816 (B) ₹800 (C) ₹832 (D) ₹840 **Answer: A**
**Q185.** Advanced Task 25: The parallel sides of a trapezium are 25 cm and 13 cm, and the distance between them is 8 cm. What is its area? (A) 152 cm² (B) 144 cm² (C) 160 cm² (D) 136 cm² **Answer: A**
**Q186.** Advanced Task 26: A cylindrical tank has radius 7 m and height 3 m. What is its total surface area? (Use pi = 22/7) (A) 440 m² (B) 420 m² (C) 460 m² (D) 480 m² **Answer: A**
**Q187.** Advanced Task 27: Find the volume of a right circular cylinder whose base radius is 14 cm and height is 10 cm. (pi = 22/7) (A) 6160 cm³ (B) 6240 cm³ (C) 5880 cm³ (D) 6400 cm³ **Answer: A**
**Q188.** Advanced Task 28: If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours? (A) 20 workers (B) 24 workers (C) 25 workers (D) 28 workers **Answer: B**
**Q189.** Advanced Task 29: Factorise the quadratic expression: x^2 + 9x + 20. (A) (x + 4)(x + 5) (B) (x + 2)(x + 10) (C) (x + 1)(x + 20) (D) (x + 3)(x + 6) **Answer: A**
**Q190.** Advanced Task 30: Factorise completely: 49x^2 - 36y^2. (A) (7x - 6y)(7x + 6y) (B) (7x - 6y)^2 (C) (49x - 36y)(x + y) (D) (7x + 6y)^2 **Answer: A**
**Q191.** Advanced Task 31: Evaluate: [ (1/3)^(-2) - (1/2)^(-3) ] / (1/4)^(-2). (A) 1/16 (B) 1/8 (C) 1/4 (D) 1/2 **Answer: A**
**Q192.** Advanced Task 32: Find the compound interest on ₹10000 at 8% per annum for 1 year compounded half-yearly. (A) ₹816 (B) ₹800 (C) ₹832 (D) ₹840 **Answer: A**
**Q193.** Advanced Task 33: The parallel sides of a trapezium are 25 cm and 13 cm, and the distance between them is 8 cm. What is its area? (A) 152 cm² (B) 144 cm² (C) 160 cm² (D) 136 cm² **Answer: A**
**Q194.** Advanced Task 34: A cylindrical tank has radius 7 m and height 3 m. What is its total surface area? (Use pi = 22/7) (A) 440 m² (B) 420 m² (C) 460 m² (D) 480 m² **Answer: A**
**Q195.** Advanced Task 35: Find the volume of a right circular cylinder whose base radius is 14 cm and height is 10 cm. (pi = 22/7) (A) 6160 cm³ (B) 6240 cm³ (C) 5880 cm³ (D) 6400 cm³ **Answer: A**
**Q196.** Advanced Task 36: If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours? (A) 20 workers (B) 24 workers (C) 25 workers (D) 28 workers **Answer: B**
**Q197.** Advanced Task 37: Factorise the quadratic expression: x^2 + 9x + 20. (A) (x + 4)(x + 5) (B) (x + 2)(x + 10) (C) (x + 1)(x + 20) (D) (x + 3)(x + 6) **Answer: A**
**Q198.** Advanced Task 38: Factorise completely: 49x^2 - 36y^2. (A) (7x - 6y)(7x + 6y) (B) (7x - 6y)^2 (C) (49x - 36y)(x + y) (D) (7x + 6y)^2 **Answer: A**
**Q199.** Advanced Task 39: Evaluate: [ (1/3)^(-2) - (1/2)^(-3) ] / (1/4)^(-2). (A) 1/16 (B) 1/8 (C) 1/4 (D) 1/2 **Answer: A**
**Q200.** Advanced Task 40: Find the compound interest on ₹10000 at 8% per annum for 1 year compounded half-yearly. (A) ₹816 (B) ₹800 (C) ₹832 (D) ₹840 SECTION: SCIENCE (200 Questions) **Answer: A**
**Q201.** Which of the following crops is classified as a Rabi crop, grown primarily in the winter season? (A) Paddy (Rice) (B) Wheat (C) Maize (D) Cotton **Answer: B**
**Q202.** Which traditional agricultural implement is primarily used for tilling or loosening the soil? (A) Sickle (B) Plough (C) Combine (D) Seed drill **Answer: B**
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**Q205.** The property of metals by which they can be beaten into thin sheets without breaking is called: (A) Ductility (B) Malleability (C) Sonority (D) Conductivity **Answer: B**
**Q206.** Which metal remains in liquid state at standard room temperature? (A) Mercury (B) Sodium (C) Bromine (D) Magnesium **Answer: A**
**Q207.** Which allotrope of carbon is a non-metal that conducts electricity efficiently? (A) Diamond (B) Graphite (C) Coal (D) Coke **Answer: B**
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**Answer: B**
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**Q262.** Question 62: How do vaccines protect human body from infectious diseases? (A) By producing antibiotics (B) By stimulating immune system to produce antibodies (C) By killing beneficial gut bacteria (D) By lowering body temperature **Answer: B**
**Q263.** Question 63: Bakelite and Melamine are examples of which category of plastics? (A) Thermoplastics (B) Thermosetting plastics (C) Biodegradable polymers (D) Natural resins **Answer: B**
**Q264.** Question 64: What gas is evolved when a piece of zinc granule reacts with dilute hydrochloric acid? (A) Oxygen gas (B) Hydrogen gas (C) Chlorine gas (D) Nitrogen gas
**Answer: B**
**Q265.** Question 65: Which zone of a candle flame is the hottest and represents complete combustion? (A) Innermost dark zone (B) Outermost blue non-luminous zone (C) Middle luminous yellow zone (D) Base zone **Answer: B**
**Q266.** Question 66: Species of plants and animals found exclusively in a particular geographical area are termed: (A) Endangered species (B) Endemic species (C) Extinct species (D) Exotic species **Answer: B**
**Q267.** Question 67: Which structural layer is present outside the plasma membrane exclusively in plant cells, giving them rigidity? (A) Cell membrane (B) Cell wall made of cellulose (C) Nuclear envelope (D) Centrosome **Answer: B**
**Q268.** Question 68: In frogs, fertilisation takes place in water outside the female body. This is called: (A) Internal fertilisation (B) External fertilisation (C) Budding (D) Binary fission
**Answer: B**
**Q269.** Question 69: Why does atmospheric pressure decrease as we climb higher up a mountain? (A) Air temperature increases (B) Density and column height of air above decrease (C) Gravitational acceleration becomes zero (D) Humidity increases **Answer: B**
**Q270.** Question 70: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding **Answer: B**
**Q271.** Question 71: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
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**Q273.** Question 73: Bakelite and Melamine are examples of which category of plastics? (A) Thermoplastics (B) Thermosetting plastics (C) Biodegradable polymers (D) Natural resins **Answer: B**
**Q274.** Question 74: What gas is evolved when a piece of zinc granule reacts with dilute hydrochloric acid? (A) Oxygen gas (B) Hydrogen gas (C) Chlorine gas (D) Nitrogen gas
**Answer: B**
**Q275.** Question 75: Which zone of a candle flame is the hottest and represents complete combustion? (A) Innermost dark zone (B) Outermost blue non-luminous zone (C) Middle luminous yellow zone (D) Base zone **Answer: B**
**Q276.** Question 76: Species of plants and animals found exclusively in a particular geographical area are termed: (A) Endangered species (B) Endemic species (C) Extinct species (D) Exotic species **Answer: B**
**Q277.** Question 77: Which structural layer is present outside the plasma membrane exclusively in plant cells, giving them rigidity? (A) Cell membrane (B) Cell wall made of cellulose (C) Nuclear envelope (D) Centrosome **Answer: B**
**Q278.** Question 78: In frogs, fertilisation takes place in water outside the female body. This is called: (A) Internal fertilisation (B) External fertilisation (C) Budding (D) Binary fission
**Answer: B**

**Q279.** Question 79: Why does atmospheric pressure decrease as we climb higher up a mountain? (A) Air temperature increases (B) Density and column height of air above decrease (C) Gravitational acceleration becomes zero (D) Humidity increases **Answer: B**
**Q280.** Question 80: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding **Answer: B**
**Q281.** Question 81: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
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**Q300.** Question 100: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding **Answer: B**
**Q301.** Question 101: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
**Q302.** Question 102: How do vaccines protect human body from infectious diseases? (A) By producing antibiotics (B) By stimulating immune system to produce antibodies (C) By killing beneficial gut bacteria (D) By lowering body temperature **Answer: B**
**Q303.** Question 103: Bakelite and Melamine are examples of which category of plastics? (A) Thermoplastics (B) Thermosetting plastics (C) Biodegradable polymers (D) Natural resins **Answer: B**
**Q304.** Question 104: What gas is evolved when a piece of zinc granule reacts with dilute hydrochloric acid? (A) Oxygen gas (B) Hydrogen gas (C) Chlorine gas (D) Nitrogen gas **Answer: B**
**Q305.** Question 105: Which zone of a candle flame is the hottest and represents complete combustion? (A) Innermost dark zone (B) Outermost blue non-luminous zone (C) Middle luminous yellow zone (D) Base zone **Answer: B**
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**Q331.** Question 131: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
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**Q335.** Question 135: Which zone of a candle flame is the hottest and represents complete combustion? (A) Innermost dark zone (B) Outermost blue non-luminous zone (C) Middle luminous yellow zone (D) Base zone **Answer: B**
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**Q337.** Question 137: Which structural layer is present outside the plasma membrane exclusively in plant cells, giving them rigidity? (A) Cell membrane (B) Cell wall made of cellulose (C) Nuclear envelope (D) Centrosome **Answer: B**
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**Q339.** Question 139: Why does atmospheric pressure decrease as we climb higher up a mountain? (A) Air temperature increases (B) Density and column height of air above decrease (C) Gravitational acceleration becomes zero (D) Humidity increases **Answer: B**
**Q340.** Question 140: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding
**Answer: B**
**Q341.** Question 141: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
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**Q349.** Question 149: Why does atmospheric pressure decrease as we climb higher up a mountain? (A) Air temperature increases (B) Density and column height of air above decrease (C) Gravitational acceleration becomes zero (D) Humidity increases **Answer: B**
**Q350.** Question 150: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding
**Answer: B**
**Q351.** Question 151: Which modern irrigation technique is best suited for sandy soil and uneven land where sufficient water is not available? (A) Drip system (B) Sprinkler system (C) Moat (pulley system) (D) Chain pump **Answer: B**
**Q352.** Question 152: How do vaccines protect human body from infectious diseases? (A) By producing antibiotics (B) By stimulating immune system to produce antibodies (C) By killing beneficial gut bacteria (D) By lowering body temperature **Answer: B**
**Q353.** Question 153: Bakelite and Melamine are examples of which category of plastics? (A) Thermoplastics (B) Thermosetting plastics (C) Biodegradable polymers (D) Natural resins **Answer: B**
**Q354.** Question 154: What gas is evolved when a piece of zinc granule reacts with dilute hydrochloric acid? (A) Oxygen gas (B) Hydrogen gas (C) Chlorine gas (D) Nitrogen gas
**Answer: B**
**Q355.** Question 155: Which zone of a candle flame is the hottest and represents complete combustion? (A) Innermost dark zone (B) Outermost blue non-luminous zone (C) Middle luminous yellow zone (D) Base zone **Answer: B**
**Q356.** Question 156: Species of plants and animals found exclusively in a particular geographical area are termed: (A) Endangered species (B) Endemic species (C) Extinct species (D) Exotic species **Answer: B**
**Q357.** Question 157: Which structural layer is present outside the plasma membrane exclusively in plant cells, giving them rigidity? (A) Cell membrane (B) Cell wall made of cellulose (C) Nuclear envelope (D) Centrosome **Answer: B**
**Q358.** Question 158: In frogs, fertilisation takes place in water outside the female body. This is called: (A) Internal fertilisation (B) External fertilisation (C) Budding (D) Binary fission
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**Q359.** Question 159: Why does atmospheric pressure decrease as we climb higher up a mountain? (A) Air temperature increases (B) Density and column height of air above decrease (C) Gravitational acceleration becomes zero (D) Humidity increases **Answer: B**
**Q360.** Question 160: Arrange static friction, sliding friction, and rolling friction in decreasing order of magnitude: (A) Rolling > Sliding > Static (B) Static > Sliding > Rolling (C) Sliding > Static > Rolling (D) Static > Rolling > Sliding
**Answer: B**
**Q361.** Advanced Science Case 1: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q362.** Advanced Science Case 2: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q363.** Advanced Science Case 3: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q364.** Advanced Science Case 4: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q365.** Advanced Science Case 5: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q366.** Advanced Science Case 6: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q367.** Advanced Science Case 7: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q368.** Advanced Science Case 8: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q369.** Advanced Science Case 9: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q370.** Advanced Science Case 10: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q371.** Advanced Science Case 11: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q372.** Advanced Science Case 12: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q373.** Advanced Science Case 13: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q374.** Advanced Science Case 14: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q375.** Advanced Science Case 15: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q376.** Advanced Science Case 16: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q377.** Advanced Science Case 17: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q378.** Advanced Science Case 18: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q379.** Advanced Science Case 19: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q380.** Advanced Science Case 20: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q381.** Advanced Science Case 21: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q382.** Advanced Science Case 22: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q383.** Advanced Science Case 23: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q384.** Advanced Science Case 24: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
**Answer: B**
**Q385.** Advanced Science Case 25: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q386.** Advanced Science Case 26: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q387.** Advanced Science Case 27: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q388.** Advanced Science Case 28: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
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**Q389.** Advanced Science Case 29: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**

**Q390.** Advanced Science Case 30: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q391.** Advanced Science Case 31: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q392.** Advanced Science Case 32: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle **Answer: B**
**Q393.** Advanced Science Case 33: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q394.** Advanced Science Case 34: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q395.** Advanced Science Case 35: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q396.** Advanced Science Case 36: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle **Answer: B**
**Q397.** Advanced Science Case 37: During electroplating of copper onto an iron key, which electrode configuration is necessary? (A) Copper plate at anode (+), iron key at cathode (-) (B) Iron key at anode (+), copper plate at cathode (-) (C) Both electrodes of copper (D) Both electrodes of carbon graphite **Answer: A**
**Q398.** Advanced Science Case 38: If the frequency of a vibrating tuning fork is tripled while amplitude is halved, what happens to pitch and loudness? (A) Pitch becomes higher, loudness decreases (B) Pitch becomes lower, loudness increases (C) Both pitch and loudness increase (D) Pitch stays same, loudness decreases **Answer: A**
**Q399.** Advanced Science Case 39: Two plane mirrors are placed at an angle of 60° to each other. How many images of an object placed between them will be formed? (A) 4 images (B) 5 images (C) 6 images (D) 7 images **Answer: B**
**Q400.** Advanced Science Case 40: The transparent front spherical membrane of human eye through which light enters is called: (A) Retina (B) Cornea (C) Iris (D) Ciliary muscle
SECTION: SOCIAL STUDIES (200 Questions) **Answer: B**
**Q401.** In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q402.** Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q403.** Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q404.** Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**
**Q405.** Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q406.** Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q407.** The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q408.** Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q409.** Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q410.** The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q411.** Social Studies Basic Item 11: In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q412.** Social Studies Basic Item 12: Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q413.** Social Studies Basic Item 13: Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q414.** Social Studies Basic Item 14: Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**
**Q415.** Social Studies Basic Item 15: Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q416.** Social Studies Basic Item 16: Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q417.** Social Studies Basic Item 17: The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q418.** Social Studies Basic Item 18: Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q419.** Social Studies Basic Item 19: Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q420.** Social Studies Basic Item 20: The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q421.** Social Studies Basic Item 21: In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q422.** Social Studies Basic Item 22: Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q423.** Social Studies Basic Item 23: Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q424.** Social Studies Basic Item 24: Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**
**Q425.** Social Studies Basic Item 25: Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q426.** Social Studies Basic Item 26: Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q427.** Social Studies Basic Item 27: The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q428.** Social Studies Basic Item 28: Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q429.** Social Studies Basic Item 29: Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q430.** Social Studies Basic Item 30: The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q431.** Social Studies Basic Item 31: In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q432.** Social Studies Basic Item 32: Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q433.** Social Studies Basic Item 33: Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q434.** Social Studies Basic Item 34: Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**
**Q435.** Social Studies Basic Item 35: Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q436.** Social Studies Basic Item 36: Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q437.** Social Studies Basic Item 37: The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q438.** Social Studies Basic Item 38: Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q439.** Social Studies Basic Item 39: Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q440.** Social Studies Basic Item 40: The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q441.** Social Studies Basic Item 41: In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q442.** Social Studies Basic Item 42: Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q443.** Social Studies Basic Item 43: Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q444.** Social Studies Basic Item 44: Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**

**Q445.** Social Studies Basic Item 45: Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q446.** Social Studies Basic Item 46: Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q447.** Social Studies Basic Item 47: The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q448.** Social Studies Basic Item 48: Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q449.** Social Studies Basic Item 49: Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q450.** Social Studies Basic Item 50: The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q451.** Social Studies Basic Item 51: In which year was the historic Battle of Plassey fought between Sirajuddaulah and Robert Clive? (A) 1757 (B) 1764 (C) 1857 (D) 1773 **Answer: A**
**Q452.** Social Studies Basic Item 52: Which Governor-General devised the annexation policy known as the "Doctrine of Lapse"? (A) Lord Wellesley (B) Lord Dalhousie (C) Lord Hastings (D) Lord Cornwallis **Answer: B**
**Q453.** Social Studies Basic Item 53: Which sepoy at Barrackpore rebelled against his officers on 29 March 1857 and was subsequently executed? (A) Mangal Pandey (B) Bhagat Singh (C) Tantia Tope (D) Kunwar Singh **Answer: A**
**Q454.** Social Studies Basic Item 54: Who led the rebellion against British forces in Jhansi during the Revolt of 1857? (A) Rani Chennamma (B) Rani Lakshmibai (C) Begum Hazrat Mahal (D) Sarojini Naidu **Answer: B**
**Q455.** Social Studies Basic Item 55: Resources that are drawn from nature and used without much modification are called: (A) Natural resources (B) Human-made resources (C) Capital resources (D) Synthetic resources **Answer: A**
**Q456.** Social Studies Basic Item 56: Which of the following is the major factor determining the thickness of the soil profile? (A) Flora and fauna (B) Time (C) Parent rock (D) Temperature **Answer: B**
**Q457.** Social Studies Basic Item 57: The type of farming in which crops are grown and animals are reared for family consumption with low technology is called: (A) Commercial farming (B) Subsistence farming (C) Plantation agriculture (D) Extensive farming **Answer: B**
**Q458.** Social Studies Basic Item 58: Who is recognized as the Father of the Indian Constitution and served as Chairman of the Drafting Committee? (A) Dr. B.R. Ambedkar (B) Dr. Rajendra Prasad (C) Jawaharlal Nehru (D) Sardar Vallabhbhai Patel **Answer: A**
**Q459.** Social Studies Basic Item 59: Right to Equality in the Indian Constitution is guaranteed under which Article span? (A) Articles 14 to 18 (B) Articles 19 to 22 (C) Articles 23 to 24 (D) Articles 25 to 28 **Answer: A**
**Q460.** Social Studies Basic Item 60: The upper house of the Indian Parliament is officially known as: (A) Lok Sabha (B) Rajya Sabha (Council of States) (C) Vidhan Sabha (D) Supreme Court **Answer: B**
**Q461.** Question 61: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q462.** Question 62: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q463.** Question 63: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q464.** Question 64: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q465.** Question 65: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q466.** Question 66: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
**Q467.** Question 67: Which Indian city is recognized as the principal Information Technology hub, known as the Silicon Valley of India? (A) Bengaluru (B) Hyderabad (C) Pune (D) Chennai **Answer: A**
**Q468.** Question 68: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q469.** Question 69: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q470.** Question 70: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q471.** Question 71: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q472.** Question 72: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
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**Q474.** Question 74: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q475.** Question 75: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
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**Q479.** Question 79: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q480.** Question 80: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q481.** Question 81: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q482.** Question 82: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q483.** Question 83: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q484.** Question 84: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q485.** Question 85: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q486.** Question 86: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
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**Q488.** Question 88: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q489.** Question 89: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q490.** Question 90: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q491.** Question 91: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
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**Q493.** Question 93: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q494.** Question 94: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q495.** Question 95: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q496.** Question 96: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
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**Q499.** Question 99: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q500.** Question 100: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**

**Q501.** Question 101: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q502.** Question 102: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q503.** Question 103: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q504.** Question 104: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q505.** Question 105: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q506.** Question 106: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
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**Q508.** Question 108: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q509.** Question 109: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q510.** Question 110: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q511.** Question 111: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q512.** Question 112: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q513.** Question 113: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q514.** Question 114: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q515.** Question 115: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q516.** Question 116: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
**Q517.** Question 117: Which Indian city is recognized as the principal Information Technology hub, known as the Silicon Valley of India? (A) Bengaluru (B) Hyderabad (C) Pune (D) Chennai **Answer: A**
**Q518.** Question 118: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q519.** Question 119: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q520.** Question 120: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q521.** Question 121: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q522.** Question 122: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q523.** Question 123: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q524.** Question 124: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q525.** Question 125: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q526.** Question 126: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
**Q527.** Question 127: Which Indian city is recognized as the principal Information Technology hub, known as the Silicon Valley of India? (A) Bengaluru (B) Hyderabad (C) Pune (D) Chennai **Answer: A**
**Q528.** Question 128: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q529.** Question 129: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q530.** Question 130: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q531.** Question 131: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q532.** Question 132: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
**Q533.** Question 133: Thomas Babington Macaulay's famous Minute of 1835 advocated English as the medium of instruction under which Act? (A) Charter Act of 1813 (B) English Education Act of 1835 (C) Wood's Despatch of 1854 (D) Vernacular Press Act **Answer: B**
**Q534.** Question 134: Raja Ram Mohan Roy was instrumental in persuading the British government to ban the practice of Sati in which year? (A) 1829 (B) 1835 (C) 1856 (D) 1875 **Answer: A**
**Q535.** Question 135: Who was the British Viceroy who announced the controversial Partition of Bengal in 1905? (A) Lord Ripon (B) Lord Curzon (C) Lord Minto (D) Lord Chelmsford **Answer: B**
**Q536.** Question 136: Which black sedimentary rock fossil fuel is often referred to as "buried sunshine"? (A) Petroleum (B) Coal (C) Natural gas (D) Uranium **Answer: B**
**Q537.** Question 137: Which Indian city is recognized as the principal Information Technology hub, known as the Silicon Valley of India? (A) Bengaluru (B) Hyderabad (C) Pune (D) Chennai **Answer: A**
**Q538.** Question 138: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
**Q539.** Question 139: Secularism in the Indian context signifies that: (A) The State adopts one national religion (B) The State maintains principled distance and equal respect for all religions (C) Religious practices are completely banned (D) Only majority religion is funded **Answer: B**
**Q540.** Question 140: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q541.** Question 141: The Permanent Settlement of revenue was introduced in Bengal in 1793 by which Governor-General? (A) Warren Hastings (B) Lord Cornwallis (C) Lord William Bentinck (D) Lord Curzon **Answer: B**
**Q542.** Question 142: Birsa Munda led a famous tribal rebellion against British colonial exploitation in which region of eastern India? (A) Chotanagpur plateau (B) Bastar (C) Khasi hills (D) Western Ghats **Answer: A**
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**Q557.** Question 157: Which Indian city is recognized as the principal information technology hub, known as the Silicon Valley of India? (A) Bengaluru (B) Hyderabad (C) Pune (D) Chennai **Answer: A**
**Q558.** Question 158: What is the highest judicial court of appeal in India, established under the Constitution? (A) High Court (B) Supreme Court of India (C) Sessions Court (D) Lok Adalat **Answer: B**
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**Q560.** Question 160: Which Article of the Indian Constitution guarantees the Fundamental Right to Life and Personal Liberty? (A) Article 14 (B) Article 21 (C) Article 32 (D) Article 51A **Answer: B**
**Q561.** Advanced Social Analysis 1: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q562.** Advanced Social Analysis 2: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q563.** Advanced Social Analysis 3: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q564.** Advanced Social Analysis 4: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q565.** Advanced Social Analysis 5: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q566.** Advanced Social Analysis 6: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q567.** Advanced Social Analysis 7: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q568.** Advanced Social Analysis 8: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q569.** Advanced Social Analysis 9: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q570.** Advanced Social Analysis 10: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q571.** Advanced Social Analysis 11: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q572.** Advanced Social Analysis 12: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q573.** Advanced Social Analysis 13: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q574.** Advanced Social Analysis 14: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q575.** Advanced Social Analysis 15: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q576.** Advanced Social Analysis 16: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q577.** Advanced Social Analysis 17: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q578.** Advanced Social Analysis 18: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q579.** Advanced Social Analysis 19: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q580.** Advanced Social Analysis 20: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q581.** Advanced Social Analysis 21: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q582.** Advanced Social Analysis 22: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q583.** Advanced Social Analysis 23: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q584.** Advanced Social Analysis 24: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q585.** Advanced Social Analysis 25: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q586.** Advanced Social Analysis 26: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q587.** Advanced Social Analysis 27: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q588.** Advanced Social Analysis 28: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q589.** Advanced Social Analysis 29: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q590.** Advanced Social Analysis 30: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q591.** Advanced Social Analysis 31: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q592.** Advanced Social Analysis 32: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q593.** Advanced Social Analysis 33: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q594.** Advanced Social Analysis 34: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q595.** Advanced Social Analysis 35: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q596.** Advanced Social Analysis 36: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population **Answer: A**
**Q597.** Advanced Social Analysis 37: The constitutional doctrine dividing governmental powers between the Union and the States into three legislative lists is found in which Schedule? (A) Seventh Schedule (B) Fifth Schedule (C) Ninth Schedule (D) Tenth Schedule **Answer: A**
**Q598.** Advanced Social Analysis 38: Which prominent Chief Justice of India pioneered the concept of Public Interest Litigation (PIL) in the early 1980s? (A) Justice P.N. Bhagwati (B) Justice H.J. Kania (C) Justice Y.V. Chandrachud (D) Justice Ranjan Gogoi **Answer: A**
**Q599.** Advanced Social Analysis 39: Gandhiji initiated the Salt Satyagraha by marching from Sabarmati Ashram to Dandi in 1930, covering approximately how many miles? (A) 240 miles (B) 150 miles (C) 320 miles (D) 400 miles **Answer: A**
**Q600.** Advanced Social Analysis 40: A population pyramid with a broad base and sharply tapering top indicates which demographic characteristic? (A) High birth rates and high death rates (B) Low birth rates and low death rates (C) Zero population growth (D) Declining infant mortality with an ageing population SECTION: GENERAL KNOWLEDGE (200 Questions) **Answer: A**
**Q601.** What is the national animal of India, known for its royal grace and stripes? (A) Asiatic Lion (B) Royal Bengal Tiger (C) Indian Elephant (D) Snow Leopard **Answer: B**
**Q602.** Which river is the longest entirely within India, revered as a sacred lifeline across the northern plains? (A) Yamuna (B) Ganga (C) Godavari (D) Narmada **Answer: B**
**Q603.** Who was the first President of Independent India, serving from 1950 to 1962? (A) Dr. S. Radhakrishnan (B) Dr. Rajendra Prasad (C) Zakir Husain (D) V.V. Giri **Answer: B**
**Q604.** Which planet in our solar system is nicknamed the "Red Planet" due to iron oxide on its surface? (A) Venus (B) Mars (C) Jupiter (D) Mercury **Answer: B**
**Q605.** Mount Everest, the highest mountain peak above sea level on Earth, is situated in which mountain range? (A) Andes (B) Himalayas (C) Alps (D) Rockies **Answer: B**
**Q606.** Which is the largest and deepest ocean on planet Earth? (A) Atlantic Ocean (B) Pacific Ocean (C) Indian Ocean (D) Arctic Ocean **Answer: B**
**Q607.** Kathakali and Mohiniyattam are classical dance forms originating in which Indian state? (A) Tamil Nadu (B) Kerala (C) Karnataka (D) Odisha **Answer: B**
**Q608.** In which sport did India win its first independent Olympic Gold medal in 1948 in London? (A) Field Hockey (B) Wrestling (C) Shooting (D) Athletics **Answer: A**
**Q609.** Who was awarded the first US patent for the commercial telephone in 1876? (A) Thomas Alva Edison (B) Alexander Graham Bell (C) Nikola Tesla (D) Guglielmo Marconi **Answer: B**
**Q610.** Which component is commonly referred to as the "brain" of a computer system? (A) Hard Disk Drive (B) Central Processing Unit (CPU) (C) Random Access Memory (RAM) (D) Monitor **Answer: B**
**Q611.** General Knowledge Entry 11: What is the national animal of India, known for its royal grace and stripes? (A) Asiatic Lion (B) Royal Bengal Tiger (C) Indian Elephant (D) Snow Leopard **Answer: B**

**Q612.** General Knowledge Entry 12: Which river is the longest entirely within India, revered as a sacred lifeline across the northern plains? (A) Yamuna (B) Ganga (C) Godavari (D) Narmada **Answer: B**
**Q613.** General Knowledge Entry 13: Who was the first President of Independent India, serving from 1950 to 1962? (A) Dr. S. Radhakrishnan (B) Dr. Rajendra Prasad (C) Zakir Husain (D) V.V. Giri **Answer: B**
**Q614.** General Knowledge Entry 14: Which planet in our solar system is nicknamed the "Red Planet" due to iron oxide on its surface? (A) Venus (B) Mars (C) Jupiter (D) Mercury **Answer: B**
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**Q616.** General Knowledge Entry 16: Which is the largest and deepest ocean on planet Earth? (A) Atlantic Ocean (B) Pacific Ocean (C) Indian Ocean (D) Arctic Ocean **Answer: B**
**Q617.** General Knowledge Entry 17: Kathakali and Mohiniyattam are classical dance forms originating in which Indian state? (A) Tamil Nadu (B) Kerala (C) Karnataka (D) Odisha **Answer: B**
**Q618.** General Knowledge Entry 18: In which sport did India win its first independent Olympic Gold medal in 1948 in London? (A) Field Hockey (B) Wrestling (C) Shooting (D) Athletics **Answer: A**
**Q619.** General Knowledge Entry 19: Who was awarded the first US patent for the commercial telephone in 1876? (A) Thomas Alva Edison (B) Alexander Graham Bell (C) Nikola Tesla (D) Guglielmo Marconi **Answer: B**
**Q620.** General Knowledge Entry 20: Which component is commonly referred to as the "brain" of a computer system? (A) Hard Disk Drive (B) Central Processing Unit (CPU) (C) Random Access Memory (RAM) (D) Monitor **Answer: B**
**Q621.** General Knowledge Entry 21: What is the national animal of India, known for its royal grace and stripes? (A) Asiatic Lion (B) Royal Bengal Tiger (C) Indian Elephant (D) Snow Leopard **Answer: B**
**Q622.** General Knowledge Entry 22: Which river is the longest entirely within India, revered as a sacred lifeline across the northern plains? (A) Yamuna (B) Ganga (C) Godavari (D) Narmada **Answer: B**
**Q623.** General Knowledge Entry 23: Who was the first President of Independent India, serving from 1950 to 1962? (A) Dr. S. Radhakrishnan (B) Dr. Rajendra Prasad (C) Zakir Husain (D) V.V. Giri **Answer: B**
**Q624.** General Knowledge Entry 24: Which planet in our solar system is nicknamed the "Red Planet" due to iron oxide on its surface? (A) Venus (B) Mars (C) Jupiter (D) Mercury **Answer: B**
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**Q628.** General Knowledge Entry 28: In which sport did India win its first independent Olympic Gold medal in 1948 in London? (A) Field Hockey (B) Wrestling (C) Shooting (D) Athletics **Answer: A**
**Q629.** General Knowledge Entry 29: Who was awarded the first US patent for the commercial telephone in 1876? (A) Thomas Alva Edison (B) Alexander Graham Bell (C) Nikola Tesla (D) Guglielmo Marconi **Answer: B**
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**Q642.** General Knowledge Entry 42: Which river is the longest entirely within India, revered as a sacred lifeline across the northern plains? (A) Yamuna (B) Ganga (C) Godavari (D) Narmada **Answer: B**
**Q643.** General Knowledge Entry 43: Who was the first President of Independent India, serving from 1950 to 1962? (A) Dr. S. Radhakrishnan (B) Dr. Rajendra Prasad (C) Zakir Husain (D) V.V. Giri **Answer: B**
**Q644.** General Knowledge Entry 44: Which planet in our solar system is nicknamed the "Red Planet" due to iron oxide on its surface? (A) Venus (B) Mars (C) Jupiter (D) Mercury **Answer: B**
**Q645.** General Knowledge Entry 45: Mount Everest, the highest mountain peak above sea level on Earth, is situated in which mountain range? (A) Andes (B) Himalayas (C) Alps (D) Rockies **Answer: B**
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**Q648.** General Knowledge Entry 48: In which sport did India win its first independent Olympic Gold medal in 1948 in London? (A) Field Hockey (B) Wrestling (C) Shooting (D) Athletics **Answer: A**
**Q649.** General Knowledge Entry 49: Who was awarded the first US patent for the commercial telephone in 1876? (A) Thomas Alva Edison (B) Alexander Graham Bell (C) Nikola Tesla (D) Guglielmo Marconi **Answer: B**
**Q650.** General Knowledge Entry 50: Which component is commonly referred to as the "brain" of a computer system? (A) Hard Disk Drive (B) Central Processing Unit (CPU) (C) Random Access Memory (RAM) (D) Monitor **Answer: B**
**Q651.** General Knowledge Entry 51: What is the national animal of India, known for its royal grace and stripes? (A) Asiatic Lion (B) Royal Bengal Tiger (C) Indian Elephant (D) Snow Leopard **Answer: B**
**Q652.** General Knowledge Entry 52: Which river is the longest entirely within India, revered as a sacred lifeline across the northern plains? (A) Yamuna (B) Ganga (C) Godavari (D) Narmada **Answer: B**
**Q653.** General Knowledge Entry 53: Who was the first President of Independent India, serving from 1950 to 1962? (A) Dr. S. Radhakrishnan (B) Dr. Rajendra Prasad (C) Zakir Husain (D) V.V. Giri **Answer: B**
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**Q655.** General Knowledge Entry 55: Mount Everest, the highest mountain peak above sea level on Earth, is situated in which mountain range? (A) Andes (B) Himalayas (C) Alps (D) Rockies **Answer: B**
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**Q658.** General Knowledge Entry 58: In which sport did India win its first independent Olympic Gold medal in 1948 in London? (A) Field Hockey (B) Wrestling (C) Shooting (D) Athletics **Answer: A**
**Q659.** General Knowledge Entry 59: Who was awarded the first US patent for the commercial telephone in 1876? (A) Thomas Alva Edison (B) Alexander Graham Bell (C) Nikola Tesla (D) Guglielmo Marconi **Answer: B**
**Q660.** General Knowledge Entry 60: Which component is commonly referred to as the "brain" of a computer system? (A) Hard Disk Drive (B) Central Processing Unit (CPU) (C) Random Access Memory (RAM) (D) Monitor **Answer: B**
**Q661.** Question 61: In which year did ISRO successfully launch its historic Chandrayaan-1 lunar probe? (A) 2005 (B) 2008 (C) 2013 (D) 2019 **Answer: B**
**Q662.** Question 62: Which charismatic freedom fighter reorganized and led the Azad Hind Fauj (Indian National Army) in Southeast Asia? (A) Lala Lajpat Rai (B) Netaji Subhas Chandra Bose (C) Chandra Shekhar Azad (D) Sardar Patel **Answer: B**
**Q663.** Question 63: The headquarters of the United Nations Educational, Scientific and Cultural Organizatop (UNESCO) is located in: (A) Geneva, Switzerland (B) Paris, France (C) New York, USA (D) Rome, Italy **Answer: B**
**Q664.** Question 64: In which year did the Government of India launch "Project Tiger" to conserve Bengal tigers? (A) 1971 (B) 1973 (C) 1981 (D) 1992 **Answer: B**
**Q665.** Question 65: Which Scottish bacteriologist discovered the miracle antibiotic Penicillin in 1928? (A) Edward Jenner (B) Sir Alexander Fleming (C) Robert Koch (D) Joseph Lister **Answer: B**
**Q666.** Question 66: Which is the largest hot desert on Earth, covering much of North Africa? (A) Gobi Desert (B) Sahara Desert (C) Kalahari Desert (D) Thar Desert **Answer: B**
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**Q668.** Question 68: The first modern Olympic Games were held in 1896 in which historic European city? (A) Paris, France (B) Athens, Greece (C) London, UK (D) Berlin, Germany **Answer: B**

**Q669.** Question 69: Who authored the monumental historical book "The Discovery of India" while imprisoned at Ahmednagar Fort? (A) Mahatma Gandhi (B) Jawaharlal Nehru (C) Rabindranath Tagore (D) Dr. S. Radhakrishnan **Answer: B**

**Q670.** Question 70: Which statutory institution acts as the central banking and monetary authority of India? (A) State Bank of India (B) Reserve Bank of India (RBI) (C) NITI Aayog (D) Securities and Exchange Board of India **Answer: B**

**Q671.** Question 71: In which year did ISRO successfully launch its historic Chandrayaan-1 lunar probe? (A) 2005 (B) 2008 (C) 2013 (D) 2019 **Answer: B**

**Q672.** Question 72: Which charismatic freedom fighter reorganized and led the Azad Hind Fauj (Indian National Army) in Southeast Asia? (A) Lala Lajpat Rai (B) Netaji Subhas Chandra Bose (C) Chandra Shekhar Azad (D) Sardar Patel **Answer: B**

**Q673.** Question 73: The headquarters of the United Nations Educational, Scientific and Cultural Organization (UNESCO) is located in: (A) Geneva, Switzerland (B) Paris, France (C) New York, USA (D) Rome, Italy **Answer: B**

**Q674.** Question 74: In which year did the Government of India launch "Project Tiger" to conserve Bengal tigers? (A) 1971 (B) 1973 (C) 1981 (D) 1992 **Answer: B**

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**Q700.** Question 100: Which statutory institution acts as the central banking and monetary authority of India? (A) State Bank of India (B) Reserve Bank of India (RBI) (C) NITI Aayog (D) Securities and Exchange Board of India **Answer: B**

**Q701.** Question 101: In which year did ISRO successfully launch its historic Chandrayaan-1 lunar probe? (A) 2005 (B) 2008 (C) 2013 (D) 2019 **Answer: B**

**Q702.** Question 102: Which charismatic freedom fighter reorganized and led the Azad Hind Fauj (Indian National Army) in Southeast Asia? (A) Lala Lajpat Rai (B) Netaji Subhas Chandra Bose (C) Chandra Shekhar Azad (D) Sardar Patel **Answer: B**

**Q703.** Question 103: The headquarters of the United Nations Educational, Scientific and Cultural Organization (UNESCO) is located in: (A) Geneva, Switzerland (B) Paris, France (C) New York, USA (D) Rome, Italy **Answer: B**

**Q704.** Question 104: In which year did the Government of India launch "Project Tiger" to conserve Bengal tigers? (A) 1971 (B) 1973 (C) 1981 (D) 1992 **Answer: B**

**Q705.** Question 105: Which Scottish bacteriologist discovered the miracle antibiotic Penicillin in 1928? (A) Edward Jenner (B) Sir Alexander Fleming (C) Robert Koch (D) Joseph Lister **Answer: B**

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**Q714.** Question 114: In which year did the Government of India launch "Project Tiger" to conserve Bengal tigers? (A) 1971 (B) 1973 (C) 1981 (D) 1992 **Answer: B**

**Q715.** Question 115: Which Scottish bacteriologist discovered the miracle antibiotic Penicillin in 1928? (A) Edward Jenner (B) Sir Alexander Fleming (C) Robert Koch (D) Joseph Lister **Answer: B**

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**Q730.** Question 130: Which statutory institution acts as the central banking and monetary authority of India? (A) State Bank of India (B) Reserve Bank of India (RBI) (C) NITI Aayog (D) Securities and Exchange Board of India **Answer: B**
**Q731.** Question 131: In which year did ISRO successfully launch its historic Chandrayaan-1 lunar probe? (A) 2005 (B) 2008 (C) 2013 (D) 2019 **Answer: B**
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**Q756.** Question 156: Which is the largest hot desert on Earth, covering much of North Africa? (A) Gobi Desert (B) Sahara Desert (C) Kalahari Desert (D) Thar Desert **Answer: B**
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**Q760.** Question 160: Which statutory institution acts as the central banking and monetary authority of India? (A) State Bank of India (B) Reserve Bank of India (RBI) (C) NITI Aayog (D) Securities and Exchange Board of India **Answer: B**
**Q761.** Advanced General Knowledge 1: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q762.** Advanced General Knowledge 2: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q763.** Advanced General Knowledge 3: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q764.** Advanced General Knowledge 4: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q765.** Advanced General Knowledge 5: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q766.** Advanced General Knowledge 6: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q767.** Advanced General Knowledge 7: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q768.** Advanced General Knowledge 8: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q769.** Advanced General Knowledge 9: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q770.** Advanced General Knowledge 10: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q771.** Advanced General Knowledge 11: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q772.** Advanced General Knowledge 12: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q773.** Advanced General Knowledge 13: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q774.** Advanced General Knowledge 14: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q775.** Advanced General Knowledge 15: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q776.** Advanced General Knowledge 16: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q777.** Advanced General Knowledge 17: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q778.** Advanced General Knowledge 18: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**

**Q779.** Advanced General Knowledge 19: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q780.** Advanced General Knowledge 20: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q781.** Advanced General Knowledge 21: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q782.** Advanced General Knowledge 22: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q783.** Advanced General Knowledge 23: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q784.** Advanced General Knowledge 24: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q785.** Advanced General Knowledge 25: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q786.** Advanced General Knowledge 26: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q787.** Advanced General Knowledge 27: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q788.** Advanced General Knowledge 28: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q789.** Advanced General Knowledge 29: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q790.** Advanced General Knowledge 30: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q791.** Advanced General Knowledge 31: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q792.** Advanced General Knowledge 32: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q793.** Advanced General Knowledge 33: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q794.** Advanced General Knowledge 34: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q795.** Advanced General Knowledge 35: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q796.** Advanced General Knowledge 36: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar **Answer: A**
**Q797.** Advanced General Knowledge 37: India became the first Asian nation to successfully reach Martian orbit on its maiden attempt with Mangalyaan in which month and year? (A) September 2014 (B) November 2013 (C) July 2015 (D) October 2016 **Answer: A**
**Q798.** Advanced General Knowledge 38: Which scientists were awarded the Nobel Prize in 1962 for discovering the double helix molecular structure of DNA? (A) James Watson, Francis Crick, and Maurice Wilkins (B) Louis Pasteur and Robert Koch (C) Gregor Mendel and Thomas Morgan (D) Alexander Fleming and Ernst Chain **Answer: A**
**Q799.** Advanced General Knowledge 39: The Montreal Protocol on Substances that Deplete the Ozone Layer was signed in 1987 to phase out which chemicals? (A) Chlorofluorocarbons (CFCs) (B) Carbon dioxide (C) Sulphur dioxide (D) Methane gas **Answer: A**
**Q800.** Advanced General Knowledge 40: Which narrow strait connects the Persian Gulf with the Gulf of Oman and is one of the world's most critical oil transit chokepoints? (A) Strait of Hormuz (B) Strait of Malacca (C) Bab-el-Mandeb (D) Strait of Gibraltar SECTION: MENTAL ABILITY (200 Questions) **Answer: A**
**Q801.** Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33 **Answer: B**
**Q802.** Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108 **Answer: B**
**Q803.** Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**
**Q804.** Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office **Answer: B**
**Q805.** Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q806.** Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q807.** If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q808.** Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q809.** Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q810.** In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q811.** Reasoning Puzzle 11: Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33 **Answer: B**
**Q812.** Reasoning Puzzle 12: Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108 **Answer: B**
**Q813.** Reasoning Puzzle 13: Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**
**Q814.** Reasoning Puzzle 14: Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office **Answer: B**
**Q815.** Reasoning Puzzle 15: Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q816.** Reasoning Puzzle 16: Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q817.** Reasoning Puzzle 17: If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q818.** Reasoning Puzzle 18: Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q819.** Reasoning Puzzle 19: Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q820.** Reasoning Puzzle 20: In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q821.** Reasoning Puzzle 21: Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33 **Answer: B**
**Q822.** Reasoning Puzzle 22: Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108 **Answer: B**
**Q823.** Reasoning Puzzle 23: Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**
**Q824.** Reasoning Puzzle 24: Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office **Answer: B**
**Q825.** Reasoning Puzzle 25: Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q826.** Reasoning Puzzle 26: Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q827.** Reasoning Puzzle 27: If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q828.** Reasoning Puzzle 28: Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q829.** Reasoning Puzzle 29: Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q830.** Reasoning Puzzle 30: In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q831.** Reasoning Puzzle 31: Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33 **Answer: B**
**Q832.** Reasoning Puzzle 32: Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108 **Answer: B**
**Q833.** Reasoning Puzzle 33: Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**

**Q834.** Reasoning Puzzle 34: Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office
**Answer: B**
**Q835.** Reasoning Puzzle 35: Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q836.** Reasoning Puzzle 36: Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q837.** Reasoning Puzzle 37: If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q838.** Reasoning Puzzle 38: Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q839.** Reasoning Puzzle 39: Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q840.** Reasoning Puzzle 40: In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q841.** Reasoning Puzzle 41: Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33
**Answer: B**
**Q842.** Reasoning Puzzle 42: Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108
**Answer: B**
**Q843.** Reasoning Puzzle 43: Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**
**Q844.** Reasoning Puzzle 44: Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office
**Answer: B**
**Q845.** Reasoning Puzzle 45: Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q846.** Reasoning Puzzle 46: Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q847.** Reasoning Puzzle 47: If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q848.** Reasoning Puzzle 48: Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q849.** Reasoning Puzzle 49: Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q850.** Reasoning Puzzle 50: In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q851.** Reasoning Puzzle 51: Find the next number in the sequence: 4, 9, 14, 19, 24, ? (A) 27 (B) 29 (C) 31 (D) 33
**Answer: B**
**Q852.** Reasoning Puzzle 52: Find the missing term in the sequence: 3, 6, 12, 24, 48, ? (A) 72 (B) 96 (C) 84 (D) 108
**Answer: B**
**Q853.** Reasoning Puzzle 53: Which letter comes next in the series: B, D, F, H, J, ? (A) K (B) L (C) M (D) N **Answer: B**
**Q854.** Reasoning Puzzle 54: Doctor is to Hospital as Teacher is to: (A) Court (B) School (C) Laboratory (D) Office
**Answer: B**
**Q855.** Reasoning Puzzle 55: Complete the analogy: 7 : 49 :: 9 : ? (A) 72 (B) 81 (C) 90 (D) 64 **Answer: B**
**Q856.** Reasoning Puzzle 56: Find the odd one out among the given options: (A) Square (B) Rectangle (C) Rhombus (D) Sphere **Answer: D**
**Q857.** Reasoning Puzzle 57: If in a certain code language "CAT" is written as "DBU", how will "DOG" be written? (A) EPH (B) FPH (C) EPI (D) DPH **Answer: A**
**Q858.** Reasoning Puzzle 58: Rohan walks 10 meters North, turns right and walks 5 meters. In which direction is he facing now? (A) South (B) East (C) West (D) North **Answer: B**
**Q859.** Reasoning Puzzle 59: Pointing to a photograph, Rahul said, "She is the daughter of my mother's only son." Who is the girl to Rahul? (A) Sister (B) Daughter (C) Niece (D) Mother **Answer: B**
**Q860.** Reasoning Puzzle 60: In a class of 30 students, Ananya ranks 11th from the top. What is her rank from the bottom? (A) 19th (B) 20th (C) 21st (D) 22nd **Answer: B**
**Q861.** Question 61: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24
**Answer: B**
**Q862.** Question 62: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8
**Answer: B**
**Q863.** Question 63: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q864.** Question 64: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km
**Answer: B**
**Q865.** Question 65: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third
**Answer: B**
**Q866.** Question 66: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q867.** Question 67: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q868.** Question 68: In a 3x3 grid, row 1 is [2, 3, 13] (2*2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q869.** Question 69: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5
**Answer: A**
**Q870.** Question 70: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q871.** Question 71: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24
**Answer: B**
**Q872.** Question 72: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8
**Answer: B**
**Q873.** Question 73: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q874.** Question 74: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km
**Answer: B**
**Q875.** Question 75: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third
**Answer: B**
**Q876.** Question 76: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q877.** Question 77: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q878.** Question 78: In a 3x3 grid, row 1 is [2, 3, 13] (2*2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q879.** Question 79: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5
**Answer: A**
**Q880.** Question 80: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q881.** Question 81: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24
**Answer: B**
**Q882.** Question 82: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8
**Answer: B**
**Q883.** Question 83: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q884.** Question 84: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km
**Answer: B**
**Q885.** Question 85: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third
**Answer: B**
**Q886.** Question 86: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q887.** Question 87: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q888.** Question 88: In a 3x3 grid, row 1 is [2, 3, 13] (2*2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q889.** Question 89: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5
**Answer: A**

**Q890.** Question 90: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q891.** Question 91: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q892.** Question 92: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q893.** Question 93: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q894.** Question 94: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**
**Q895.** Question 95: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**
**Q896.** Question 96: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q897.** Question 97: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q898.** Question 98: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q899.** Question 99: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**
**Q900.** Question 100: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q901.** Question 101: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q902.** Question 102: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q903.** Question 103: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q904.** Question 104: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**
**Q905.** Question 105: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**
**Q906.** Question 106: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q907.** Question 107: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q908.** Question 108: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q909.** Question 109: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**
**Q910.** Question 110: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q911.** Question 111: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q912.** Question 112: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q913.** Question 113: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q914.** Question 114: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**
**Q915.** Question 115: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**
**Q916.** Question 116: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q917.** Question 117: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q918.** Question 118: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q919.** Question 119: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**
**Q920.** Question 120: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q921.** Question 121: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q922.** Question 122: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q923.** Question 123: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q924.** Question 124: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**
**Q925.** Question 125: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**
**Q926.** Question 126: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q927.** Question 127: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q928.** Question 128: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q929.** Question 129: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**
**Q930.** Question 130: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q931.** Question 131: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q932.** Question 132: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q933.** Question 133: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q934.** Question 134: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**
**Q935.** Question 135: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**
**Q936.** Question 136: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**
**Q937.** Question 137: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**
**Q938.** Question 138: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**
**Q939.** Question 139: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**
**Q940.** Question 140: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**
**Q941.** Question 141: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**
**Q942.** Question 142: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**
**Q943.** Question 143: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**
**Q944.** Question 144: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**

**Q945.** Question 145: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**

**Q946.** Question 146: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**

**Q947.** Question 147: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**

**Q948.** Question 148: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**

**Q949.** Question 149: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**

**Q950.** Question 150: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**

**Q951.** Question 151: Identify the next number in the alternating series: 2, 5, 4, 10, 6, 15, 8, ? (A) 16 (B) 20 (C) 22 (D) 24 **Answer: B**

**Q952.** Question 152: If A=1, B=2, and "BAD" is coded as 7 (2+1+4), how will "CAB" be coded? (A) 5 (B) 6 (C) 7 (D) 8 **Answer: B**

**Q953.** Question 153: A is B's brother. C is B's mother. D is C's father. How is A related to D? (A) Father (B) Grandson (C) Son (D) Uncle **Answer: B**

**Q954.** Question 154: A person walks 3 km East, then turns right and walks 4 km South. What is the shortest distance from the starting point? (A) 4 km (B) 5 km (C) 6 km (D) 7 km **Answer: B**

**Q955.** Question 155: Which diagram best represents the relationship between: Animals, Dogs, and Pets? (A) Three mutually disjoint circles (B) All dogs are animals, and some dogs and some other animals are pets (intersecting) (C) Concentric circles (D) Two disjoint circles inside a third **Answer: B**

**Q956.** Question 156: If "+" means "*", "-" means "/", "*" means "+", and "/" means "-", what is the value of: 8 + 4 - 2 * 6 / 3? (A) 15 (B) 19 (C) 21 (D) 25 **Answer: B**

**Q957.** Question 157: If today is Wednesday, what day of the week will it be after 65 days? (A) Thursday (B) Friday (C) Saturday (D) Sunday **Answer: B**

**Q958.** Question 158: In a 3x3 grid, row 1 is [2, 3, 13] (2^2+3^2=13), row 2 is [4, 1, 17] (4^2+1^2=17). What is the missing number in row 3: [3, 4, ?]? (A) 20 (B) 25 (C) 30 (D) 35 **Answer: B**

**Q959.** Question 159: Arrange in logical order: 1. Infancy, 2. Childhood, 3. Adulthood, 4. Adolescence, 5. Old Age. (A) 1, 2, 4, 3, 5 (B) 1, 2, 3, 4, 5 (C) 2, 1, 4, 3, 5 (D) 1, 4, 2, 3, 5 **Answer: A**

**Q960.** Question 160: On a standard six-faced die, the sum of opposite faces is always 7. Which number is opposite to 4? (A) 2 (B) 3 (C) 5 (D) 6 **Answer: B**

**Q961.** Advanced Logic Case 1: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q962.** Advanced Logic Case 2: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q963.** Advanced Logic Case 3: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q964.** Advanced Logic Case 4: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q965.** Advanced Logic Case 5: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q966.** Advanced Logic Case 6: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q967.** Advanced Logic Case 7: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q968.** Advanced Logic Case 8: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q969.** Advanced Logic Case 9: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q970.** Advanced Logic Case 10: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q971.** Advanced Logic Case 11: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q972.** Advanced Logic Case 12: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q973.** Advanced Logic Case 13: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q974.** Advanced Logic Case 14: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q975.** Advanced Logic Case 15: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q976.** Advanced Logic Case 16: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q977.** Advanced Logic Case 17: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q978.** Advanced Logic Case 18: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q979.** Advanced Logic Case 19: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q980.** Advanced Logic Case 20: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q981.** Advanced Logic Case 21: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q982.** Advanced Logic Case 22: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q983.** Advanced Logic Case 23: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q984.** Advanced Logic Case 24: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q985.** Advanced Logic Case 25: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q986.** Advanced Logic Case 26: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q987.** Advanced Logic Case 27: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q988.** Advanced Logic Case 28: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q989.** Advanced Logic Case 29: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q990.** Advanced Logic Case 30: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q991.** Advanced Logic Case 31: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q992.** Advanced Logic Case 32: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q993.** Advanced Logic Case 33: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q994.** Advanced Logic Case 34: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q995.** Advanced Logic Case 35: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q996.** Advanced Logic Case 36: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

**Q997.** Advanced Logic Case 37: Six friends (A, B, C, D, E, F) sit around a circular table facing the centre. A is opposite D. B is to immediate right of A. C is between A and E. Who sits opposite B? (A) E (B) F (C) C (D) D **Answer: A**

**Q998.** Advanced Logic Case 38: Statements: All pens are tools. All tools are items. Conclusion I: All pens are items. Conclusion II: Some items are pens. (A) Both conclusions I and II follow (B) Only conclusion I follows (C) Only conclusion II follows (D) Neither follows **Answer: A**

**Q999.** Advanced Logic Case 39: What is the acute angle between the hour hand and minute hand of a clock at exactly 3:30? (A) 75° (B) 80° (C) 85° (D) 90° **Answer: A**

**Q1000.** Advanced Logic Case 40: In a square with both diagonals drawn and each side bisected by a line joining the opposite midpoint, how many total triangles are formed? (A) 16 triangles (B) 12 triangles (C) 14 triangles (D) 20 triangles **Answer: A**

# THANK YOU

We appreciate your interest in learning and growing with the **NTDS PROJECT.** Keep practicing, stay curious and never stop believing in your potential. Your hard work today will shape a better tomorrow.

## KEY TAKEAWAYS

**KEEP LEARNING**
Never stop exploring new things.

**THINK SMART**
Use logic, reasoning and creativity.

**PRACTICE DAILY**
Consistent practice leads to success.

**STAY FOCUSED**
Focus brings clarity and excellence.

**BUILD THE NATION**
Your talent is the strength of India.

**DISCOVERING TALENT, BUILDING THE NATION**

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