NACT Aptitude & Reasoning exam Practice Set class-6th

1 Logical Reasoning (25 Questions)

Q1. Which number should replace the question mark?
3, 6, 12, 24, ?
a) 36   b) 40   c) 48   d) 50
Ans: c) 48

Q2. If 'CAT' = 3120, 'DOG' = 4157, then 'RAT' = ?
a) 18120   b) 18121   c) 1820   d) 19120
Ans: a) 18120

Q3. Find the odd one out:
a) Square   b) Circle   c) Rectangle   d) Triangle
Ans: b) Circle

Q4. A is taller than B, B is taller than C, C is taller than D. Who is the tallest?
a) A   b) B   c) C   d) D
Ans: a) A

Q5. If MONDAY is written as NOMDAY, how is FRIDAY written?
a) RIFDAY   b) IFRDAY   c) FRDIAY   d) RIFADY
Ans: a) RIFDAY

Q6. What comes next in the series: 7, 14, 28, 56, ?
a) 84   b) 112   c) 126   d) 140
Ans: b) 112

Q7. A clock shows 3:15. What is the angle between the hour and minute hands?
a) 0°   b) 7.5°   c) 15°   d) 90°
Ans: b) 7.5°

Q8. Arrange the words in dictionary order:
Mango, Apple, Orange, Banana
a) 2, 4, 1, 3   b) 4, 2, 1, 3   c) 2, 1, 3, 4   d) 3, 2, 4, 1
Ans: a) 2, 4, 1, 3

Q9. If SOUTH is coded as 25413, how is NORTH coded?

a) 12453   b) 15423   c) 15432   d) 12543
Ans: b) 15423

Q10. Which shape has the most number of sides?
a) Hexagon   b) Pentagon   c) Octagon   d) Heptagon
Ans: c) Octagon

Q11. Which figure is different from the rest?
a) Cube   b) Sphere   c) Cylinder   d) Circle
Ans: d) Circle

Q12. Which day will be 100 days after Monday?
a) Wednesday   b) Thursday   c) Friday   d) Saturday
Ans: c) Friday

Q13. Which is the missing number?
6, 12, 24, 48, ?
a) 72   b) 96   c) 84   d) 120
Ans: b) 96

Q14. If 1 = 5, 2 = 10, 3 = 15, 4 = 20, then 7 = ?
a) 25   b) 30   c) 35   d) 40
Ans: c) 35

Q15. How many 90° angles are in a square?
a) 2   b) 3   c) 4   d) 6
Ans: c) 4

Q16. Find the missing term: 4, 9, 16, 25, ?
a) 36   b) 30   c) 28   d) 49
Ans: a) 36

Q17. Which is the odd one out?
a) Mango   b) Apple   c) Banana   d) Carrot
Ans: d) Carrot

Q18. If CAT = DBU, then DOG = ?
a) EPH   b) EOG   c) FPH   d) EPG
Ans: a) EPH

Q19. Which figure will come next? ▲, ■, ●, ▲, ■, ?
a) ▲   b) ■   c) ●   d) ■■
Ans: c) ●

Q20. A boy is facing North. He turns right, then again right, then left. Which direction is he facing?
a) East   b) South   c) West   d) North
Ans: c) West

Q21. Which number is different?
a) 121   b) 144   c) 169   d) 225
Ans: b) 144

Q22. In a code, MONDAY = 614327, then TUESDAY = ?
a) 753246   b) 723546   c) 732456   d) 754326
Ans: d) 754326

Q23. Which figure is 3D?
a) Triangle   b) Square   c) Rectangle   d) Sphere
Ans: d) Sphere

Q24. Which one is not an even number?
a) 12   b) 16   c) 19   d) 20
Ans: c) 19

Q25. Find the missing number: 2, 4, 8, 16, ?
a) 24   b) 30   c) 32   d) 36
Ans: c) 32

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2 Verbal & Non-Verbal Reasoning (25 Questions)

Q26. Find the synonym of "Rapid":
a) Slow   b) Quick   c) Lazy   d) Dull
Ans: b) Quick

Q27. Choose the odd word:
a) Rose   b) Lily   c) Mango   d) Lotus
Ans: c) Mango

Q28. Rearrange to form a meaningful sentence: "fast / runs / he / very"
a) He runs fast very.   b) Very fast runs he.   c) He runs very fast.   d) Runs very fast he.
Ans: c) He runs very fast.

Q29. Which diagram shows the relation between Teachers, Women, and Men?
a) Three intersecting circles   b) Two intersecting and one separate
c) One circle inside another   d) Three separate circles
Ans: a) Three intersecting circles

Q30. If CAT = XZG, then DOG = ?
a) WLT   b) WLV   c) WLQ   d) WLS
Ans: b) WLV

Q31. Choose the pair related in the same way as: Pen : Write
a) Knife : Cut   b) Brush : Eat   c) Book : Read
d) Car : Fly
Ans: a) Knife : Cut

Q32. Find the missing term: 2, 6, 12, 20, ?
a) 28   b) 30   c) 32   d) 36
Ans: a) 28

Q33. Select the word that does not belong:
a) Piano   b) Guitar   c) Flute   d) Table
Ans: d) Table

Q34. Which one is a non-verbal reasoning question?
a) Synonym   b) Coding   c) Mirror Image   d) Rearranging words
Ans: c) Mirror Image

Q35. In the word "COMPUTER", which letter is 3rd from the left?
a) M   b) P   c) O   d) C
Ans: a) M

Q36. Which of the following is a water animal?
a) Eagle   b) Shark   c) Lion   d) Monkey
Ans: b) Shark

Q37. Choose the correct mirror image of "PQ7" when the mirror is placed on the right side.
a) 7QP   b) P7Q   c) QP7   d) 7PQ
Ans: a) 7QP

Q38. Find the antonym of "Begin":
a) Start   b) End   c) Create   d) Open
Ans: b) End

Q39. Odd one out:
a) Sun   b) Moon   c) Star   d) Car
Ans: d) Car

Q40. Which is not a mammal?
a) Cow   b) Whale   c) Bat   d) Crocodile
Ans: d) Crocodile

Q41. Which word comes first in dictionary?
a) Apple   b) Ant   c) Axe   d) Aeroplane
Ans: d) Aeroplane

Q42. Which diagram shows the relation between Fruits, Apple, and Banana?
a) Circle within circle   b) Three intersecting circles   c) Separate circles   d) Two overlapping circles
Ans: a) Circle within circle

Q43. Opposite of "Hot":
a) Warm   b) Cold   c) Heat   d) Fire
Ans: b) Cold

Q44. Which is not a direction?
a) East   b) West   c) Sky   d) South
Ans: c) Sky

Q45. Which is related: Doctor : Patient :: Teacher : ?
a) School   b) Student   c) Books   d) Class
Ans: b) Student

Q46. Odd one out:
a) Gold   b) Silver   c) Diamond   d) Wood
Ans: d) Wood

Q47. Which is not a vowel?
a) A   b) E   c) I   d) Y
Ans: d) Y

Q48. Choose correct spelling:
a) Enviroment   b) Environmnet   c) Environment   d) Envairoment
Ans: c) Environment

Q49. Choose synonym of "Brave":
a) Bold   b) Weak   c) Shy   d) Coward
Ans: a) Bold

Q50. Rearrange: "India / country / our / is / great"
a) India our country is great   b) India is our great country
c) Our country India is great   d) India is our country great
Ans: c) Our country India is great

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3 Mental Ability (25 Questions)

Q51. What is 15% of 200?
a) 25   b) 30   c) 35   d) 40
Ans: b) 30

Q52. A train moves at 60 km/h. How far will it travel in 2 hours 30 minutes?
a) 120 km   b) 130 km   c) 140 km   d) 150 km
Ans: d) 150 km

Q53. The average of 10, 20, 30 is:
a) 15   b) 20   c) 25   d) 30
Ans: b) 20

Q54. The sum of angles in a triangle is:
a) 90°   b) 180°   c) 270°   d) 360°
Ans: b) 180°

Q55. Which fraction is equal to 0.5?
a) 1/4   b) 1/2   c) 2/3   d) 3/4
Ans: b) 1/2

Q56. A man had ₹500. He spent ₹350. How much is left?
a) ₹100   b) ₹150   c) ₹200   d) ₹250
Ans: b) ₹150

Q57. If 5 pencils cost ₹25, what is the cost of 8 pencils?
a) ₹35   b) ₹38   c) ₹40   d) ₹45
Ans: c) ₹40

Q58. The smallest prime number is:
a) 0   b) 1   c) 2   d) 3
Ans: c) 2

Q59. How many edges does a cube have?
a) 8   b) 10   c) 12   d) 14
Ans: c) 12

Q60. Which number is 3 more than its double?
a) 3   b) 5   c) 6   d) 9
Ans: b) 5

Q61. A man walks 2 km east, then 3 km north. How far is he from the starting point?
a) 3 km   b) 4 km   c) 5 km   d) 6 km
Ans: c) 5 km

Q62. Which is the next term: 5, 10, 20, 40, ?
a) 50   b) 60   c) 80   d) 100
Ans: c) 80

Q63. Which is the Roman numeral for 50?
a) L   b) C   c) X   d) V
Ans: a) L

Q64. Find the value: 12 × 12 = ?
a) 124   b) 144   c) 122   d) 112
Ans: b) 144

Q65. The square root of 81 is:
a) 7   b) 8   c) 9   d) 10
Ans: c) 9

Q66. How many months have 31 days?
a) 6   b) 7   c) 8   d) 9
Ans: b) 7

Q67. Which is greater: 3/4 or 4/5?
a) 3/4   b) 4/5
Ans: b) 4/5

Q68. If 15 + 25 = 40, then 35 + 45 = ?
a) 75   b) 80   c) 90   d) 70
Ans: b) 80

Q69. A leap year has how many days?
a) 364   b) 365   c) 366   d) 367
Ans: c) 366

Q70. Which is smallest?
a) 0.9   b) 0.8   c) 0.89   d) 0.79
Ans: d) 0.79

Q71. How many hours in 2 days?
a) 24   b) 36   c) 48   d) 60
Ans: c) 48

Q72. Which is bigger?
a) 1 km   b) 1000 m   c) Both equal
Ans: c) Both equal

Q73. If cost of 1 apple = ₹5, cost of 12 apples = ?
a) ₹50   b) ₹55   c) ₹60   d) ₹65
Ans: c) ₹60

Q74. Perimeter of a square of side 4 cm = ?
a) 12 cm   b) 16 cm   c) 18 cm   d) 20 cm
Ans: b) 16 cm

Q75. How many minutes are there in 3 hours?
a) 120   b) 150   c) 180   d) 200
Ans: c) 180

🔼 Achievers Section (High Order Thinking Skills) – 25 Questions

Q76. If 5 × 3 = 28 and 6 × 2 = 20, then 7 × 4 = ?
a) 34   b) 38   c) 40   d) 42
Ans: b) 38

Q77. A water tank fills in 6 hrs and empties in 4 hrs. If both are opened together, time to fill?
a) Never   b) 12 hrs   c) 24 hrs   d) 8 hrs
Ans: a) Never

Q78. A father's age is double of son. After 10 yrs, sum = 70. Father's age?
a) 40   b) 45   c) 50   d) 55
Ans: b) 50

Q79. Find the missing number: 2, 6, 12, 20, 30, ?
a) 40   b) 42   c) 44   d) 46
Ans: a) 40

Q80. In a race, A beats B by 20 m, B beats C by 10 m. A beats C by?
a) 25 m   b) 28 m   c) 30 m   d) 32 m
Ans: b) 28 m

Q81. Product of two consecutive numbers = 506. Numbers are?
a) 22, 23   b) 23, 24   c) 24, 25   d) 25, 26
Ans: b) 23 & 22

Q82. If 3 cats catch 3 mice in 3 min, cats for 100 mice in 100 min?
a) 3   b) 6   c) 9   d) 12
Ans: a) 3

Q83. A book sold ₹120, gain 20%. Cost price?
a) ₹90   b) ₹100   c) ₹110   d) ₹120
Ans: b) ₹100

Q84. If cube's side is doubled, volume increases by?
a) 2×   b) 4×   c) 6×   d) 8×
Ans: d) 8 times

Q85. Find odd one out: 64, 125, 216, 343
Ans: 64

Q86. If 7 + 7 = 50, 8 + 8 = 65, then 9 + 9 = ?
a) 80   b) 81   c) 82   d) 83
Ans: b) 81

Q87. A tank fills in 12 hrs, empty in 6 hrs. Net effect?
a) Never fills   b) 18 hrs   c) 24 hrs   d) 36 hrs
Ans: a) Never fills

Q88. Find the next number: 1, 2, 6, 24, ?
a) 120   b) 60   c) 36   d) 48
Ans: a) 120

Q89. If 12 men complete work in 10 days, 20 men will complete in?
a) 5 days   b) 6 days   c) 7 days   d) 8 days
Ans: b) 6 days

Q90. Which is greater? (3/7) × (14/3) OR (5/6) × (6/5)
a) Equal   b) First   c) Second
Ans: a) Equal

Q91. If 6 × 6 = 52, 7 × 7 = 70, then 8 × 8 = ?
a) 82   b) 84   c) 86   d) 88
Ans: b) 84

Q92. If 2 hours = 120 min, then 5 hrs 30 min = ?
a) 300 min   b) 330 min   c) 350 min   d) 360 min
Ans: b) 330 min

Q93. What is HCF of 18 and 24?
a) 2   b) 4   c) 6   d) 12
Ans: c) 6

Q94. A shopkeeper buys at ₹200, sells at ₹250. Profit%?
a) 20%   b) 25%   c) 30%   d) 50%
Ans: b) 25%

Q95. A sum doubles in 8 yrs. In how many years will it become 4×?
a) 12 yrs   b) 14 yrs   c) 16 yrs   d) 18 yrs
Ans: c) 16 yrs

Q96. Which is not a prime number?
a) 29   b) 31   c) 33   d) 37
Ans: c) 33

Q97. If A = 1, B = 2, … Z = 26, then value of CAT?
a) 24   b) 30   c) 40   d) 41
Ans: b) 24

Q98. The cube of 7 = ?
a) 343   b) 373   c) 333   d) 323
Ans: a) 343

Q99. Simplify: (15 × 4) ÷ 5 = ?
a) 10   b) 12   c) 14   d) 20
Ans: b) 12

Q100. Which is bigger? √225 or √196
a) √225   b) √196
Ans: a) √225