NACT Aptitude & Reasoning exam Practice Set class- 3rd

1 Logical Reasoning (25 Questions)

Q1. Which shape comes next in the sequence?
▲, ●, ▲, ●, ?
a) ▲   b) ●   c) ■   d) ★
Ans: b) ●

Q2. Which of the following is the odd one out?
a) Dog   b) Cat   c) Lion   d) Rose
Ans: d) Rose

Q3. If 5 + 5 = 10, then 5 + 7 = ?
a) 11   b) 12   c) 13   d) 10
Ans: c) 13

Q4. Which number will complete the series? 3, 6, 9, 12, ?
a) 13   b) 14   c) 15   d) 18
Ans: c) 15

Q5. Which one is different from the rest?
a) Square   b) Triangle   c) Circle   d) Cube
Ans: d) Cube

Q6. If MONDAY is coded as NPOEBZ, then TUESDAY will be coded as?
a) UVFTDBZ   b) UVFTEBZ   c) UVFTCBZ   d) UVETDBZ
Ans: a) UVFTDBZ

Q7. Find the missing number: 2, 4, 8, 16, ?
a) 18   b) 24   c) 32   d) 20
Ans: c) 32

Q8. Which group of letters will complete the pattern? AB, BC, CD, ?
a) DE   b) EF   c) DF   d) CE
Ans: a) DE

Q9. If all Roses are Flowers and all Flowers are Plants, then all Roses are?
a) Plants   b) Trees   c) Leaves   d) None
Ans: a) Plants

Q10. Which number is between 45 and 55?
a) 56   b) 52   c) 43   d) 60
Ans: b) 52

Q11. Find the odd one:
a) Pen   b) Pencil   c) Book   d) Eraser
Ans: c) Book

Q12. Which number should come next? 5, 10, 20, 40, ?
a) 45   b) 60   c) 80   d) 100
Ans: c) 80

Q13. Which of the following is not an even number?
a) 12   b) 18   c) 25   d) 40
Ans: c) 25

Q14. If CAT is written as DBU, then DOG is written as?
a) EPH   b) ENH   c) DPH   d) FPH
Ans: a) EPH

Q15. Which figure is symmetrical?
a) Square   b) Triangle   c) Circle   d) All
Ans: d) All

Q16. Fill in the missing term: 7, 14, 28, 56, ?
a) 72   b) 80   c) 84   d) 112
Ans: d) 112

Q17. Which is the odd one out?
a) Cow   b) Goat   c) Tiger   d) Mango
Ans: d) Mango

Q18. Which day comes after Wednesday?
a) Friday   b) Thursday   c) Tuesday   d) Monday
Ans: b) Thursday

Q19. Which shape will come next? ○, ▲, ○, ▲, ?
a) ○   b) ▲   c) ■   d) ♦
Ans: a) ○

Q20. If 2 cats = 8 legs, then 3 cats = ?
a) 6   b) 10   c) 12   d) 16
Ans: c) 12

Q21. Which number is missing? 4, 9, 16, 25, ?
a) 30   b) 35   c) 36   d) 49
Ans: c) 36

Q22. Which of the following is not a shape?
a) Circle   b) Triangle   c) Rectangle   d) Bottle
Ans: d) Bottle

Q23. Which clock shows the time 2:30?
a) 2 hands straight   b) Minute hand at 6, hour at 2
Ans: b)

Q24. Which number is odd in the series? 2, 4, 6, 9, 10
a) 2   b) 4   c) 6   d) 9
Ans: d) 9

Q25. Which symbol is next in the pattern: ★, ☆, ★, ☆, ?
a) ★   b) ☆   c) ■   d) ●
Ans: a) ★

2 Verbal & Non-Verbal Reasoning (25 Questions)

Q26. Choose the pair similar to BIRD : NEST
a) Dog : Kennel   b) Fish : Water   c) Lion : Forest   d) Man : Chair
Ans: a) Dog : Kennel

Q27. Find the odd pair:
a) Mango : Fruit   b) Rose : Flower   c) Potato : Vegetable   d) Milk : Meat
Ans: d) Milk : Meat

Q28. Arrange in correct order: 1) Egg   2) Hen   3) Chick
a) 1, 2, 3   b) 2, 3, 1   c) 1, 3, 2   d) 3, 2, 1
Ans: a) 1, 2, 3

Q29. Which is the mirror image of the letter "P"?
a) q   b) ◖   c) ⅄   d) ⌐|
Ans: d) ⌐|

Q30. If CAT = 3120, then DOG = ? (A=1, B=2, ... Z=26, multiply)

a) 4200   b) 840   c) 2400   d) 560
Ans: b) 840

Q31. Choose the figure that continues the series: □, △, ○, □, △, ?
a) ○   b) △   c) □   d) ■
Ans: a) ○

Q32. Fill in the blank: Earth : Planet :: Sun : ?
a) Star   b) Moon   c) Galaxy   d) Light
Ans: a) Star

Q33. Which word will come next? Monday, Wednesday, Friday, ?
a) Sunday   b) Saturday   c) Monday   d) Thursday
Ans: b) Saturday

Q34. Which picture shows rotation?
a) Opening a door   b) Turning a key   c) Walking straight   d) Jumping
Ans: b) Turning a key

Q35. Arrange alphabetically: Mango, Banana, Apple, Grape
a) Apple, Banana, Grape, Mango   b) Banana, Mango, Apple, Grape
c) Apple, Grape, Banana, Mango   d) Mango, Apple, Banana, Grape
Ans: a) Apple, Banana, Grape, Mango

Q36. Find the odd one out:
a) Pen : Write   b) Knife : Cut   c) Book : Read   d) Spoon : Cook
Ans: d) Spoon : Cook

Q37. Choose the analogy: Doctor : Hospital :: Teacher : ?
a) Book   b) School   c) Student   d) Class
Ans: b) School

Q38. Odd word out:
a) Red   b) Blue   c) Yellow   d) Apple
Ans: d) Apple

Q39. Choose the correct analogy: Hand : Glove :: Foot : ?

a) Shoe   b) Socks   c) Leg   d) Finger
Ans: a) Shoe

Q40. Which word cannot be formed from the letters of "TEACHER"?
a) REACH   b) CHAT   c) HAT   d) CREAM
Ans: d) CREAM

Q41. Which is the odd pair?
a) Sparrow : Bird   b) Whale : Fish   c) Tiger : Animal   d) Rose : Flower
Ans: b) Whale : Fish

Q42. Which sequence is correct? A, C, E, G, ?
a) H   b) I   c) J   d) K
Ans: b) I

Q43. If 2 = A, 3 = B, 4 = C, then 6 = ?
a) D   b) F   c) G   d) E
Ans: b) F

Q44. Odd one out:
a) Square   b) Rectangle   c) Circle   d) Triangle
Ans: c) Circle

Q45. If SCHOOL is coded as 81231512, then CLASS is coded as?
a) 31211919   b) 3123119   c) 31211219   d) 31191912
Ans: b) 3123119

Q46. Which figure comes next? ▲ ● ■ ▲ ● ?
a) ■   b) ▲   c) ●   d) ★
Ans: a) ■

Q47. Fill in blank: Brother : Sister :: Uncle : ?
a) Aunt   b) Father   c) Mother   d) Friend
Ans: a) Aunt

Q48. If Apple = 50, Banana = 60, then Mango = ?
a) 65   b) 70   c) 75   d) 80
Ans: c) 75

Q49. Odd one out:
a) Nose   b) Ear   c) Eye   d) Hair
Ans: d) Hair

Q50. If in a code, RAIN = 18-1-9-14, then SUN = ?

a) 19-21-14   b) 20-22-15   c) 18-20-16   d) 21-19-13
Ans: a) 19-21-14

3️⃣ Mental Ability (25 Questions)

Q51. A train leaves at 5:30 pm and reaches at 8:00 pm. Travel time is?
a) 3 hr   b) 2.5 hr   c) 2 hr   d) 2 hr 30 min
Ans: d) 2 hr 30 min

Q52. If you buy 3 pencils at ₹5 each, total cost is?
a) ₹8   b) ₹10   c) ₹15   d) ₹20
Ans: c) ₹15

Q53. Ravi has 12 chocolates. He gives 4 to his friend. How many left?
a) 6   b) 7   c) 8   d) 9
Ans: c) 8

Q54. Which number is the smallest?
a) 56   b) 45   c) 89   d) 60
Ans: b) 45

Q55. If a clock shows 3:45, what is the angle between hour and minute hands?
a) 90°   b) 180°   c) 112.5°   d) 45°
Ans: c) 112.5°

Q56. Which is heavier?
a) 500 g   b) 2 kg   c) 1500 g   d) 1 kg
Ans: b) 2 kg

Q57. In which year will you be 10 if you were born in 2015?
a) 2023   b) 2024   c) 2025   d) 2026
Ans: b) 2025

Q58. How many sides does a hexagon have?
a) 5   b) 6   c) 7   d) 8
Ans: b) 6

Q59. If 2 × 2 = 4 and 3 × 3 = 9, then 5 × 5 = ?
a) 10   b) 20   c) 25   d) 15
Ans: c) 25

Q60. Which shape will not roll?
a) Sphere   b) Cube   c) Cylinder   d) Ball
Ans: b) Cube

Q61. A man has 20 apples. He eats 6. How many are left?
a) 12   b) 13   c) 14   d) 15
Ans: c) 14

Q62. Which is the largest 2-digit number?
a) 90   b) 95   c) 98   d) 99
Ans: d) 99

Q63. If 1 dozen bananas = 12, how many bananas in 3 dozen?
a) 24   b) 30   c) 36   d) 48
Ans: c) 36

Q64. The sum of 25 and 37 is?
a) 52   b) 60   c) 62   d) 64
Ans: c) 62

Q65. Which number is exactly divisible by 9?
a) 45   b) 50   c) 52   d) 60
Ans: a) 45

Q66. If a week has 7 days, then 3 weeks = ?
a) 14 days   b) 21 days   c) 28 days   d) 35 days
Ans: b) 21 days

Q67. Which is greater?
a) Half of 20   b) Quarter of 40   c) One-third of 60   d) One-fifth of 50
Ans: c) One-third of 60 (=20)

Q68. If 10 × 10 = 100, then 12 × 12 = ?
a) 122   b) 124   c) 144   d) 132
Ans: c) 144

Q69. A dozen eggs cost ₹60. What is cost of 1 egg?
a) ₹4   b) ₹5   c) ₹6   d) ₹3
Ans: b) ₹5

Q70. If 100 – 48 = ?, then the answer is:
a) 42   b) 52   c) 50   d) 55
Ans: b) 52

Q71. Which fraction is the largest?
a) 1/2   b) 2/3   c) 3/4   d) 1/3
Ans: c) 3/4

Q72. Which number is odd?
a) 11   b) 14   c) 21   d) 33
Ans: b) 14

Q73. Which is the square of 9?
a) 81   b) 72   c) 64   d) 99
Ans: a) 81

Q74. If you add 250 + 375 = ?
a) 615   b) 625   c) 635   d) 645
Ans: b) 625

Q75. A box has 50 balls. 20 are red, rest are blue. How many blue balls?
a) 25   b) 28   c) 30   d) 35
Ans: c) 30

Q76. If 3 apples cost ₹15, how much will 7 apples cost?
a) ₹25   b) ₹30   c) ₹35   d) ₹40
Ans: c) ₹35

Q77. If 2 pencils = ₹10, how many pencils can you buy with ₹50?
a) 5   b) 8   c) 10   d) 12
Ans: c) 10

Q78. A farmer has cows and hens. Total legs = 20. If there are 2 cows, how many hens?
a) 8   b) 6   c) 5   d) 4
Ans: b) 6

Q79. What comes next? 1, 1, 2, 3, 5, 8, ?
a) 10   b) 11   c) 12   d) 13
Ans: d) 13

Q80. Which is the fastest?
a) Horse   b) Bicycle   c) Car   d) Aeroplane
Ans: d) Aeroplane

Q81. If in a code, TREE = 20-18-5-5, then LEAF = ?
a) 12-5-1-6   b) 15-5-2-7   c) 11-6-3-8   d) 12-6-

1-5
Ans: a) 12-5-1-6

Q82. A cube is painted on all sides and cut into 64 smaller cubes. How many small cubes will have paint on 2 sides?
a) 24   b) 16   c) 12   d) 8
Ans: a) 24

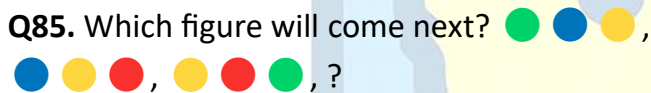**Q83.** You have ₹50. You buy a book for ₹35. How much money is left?
a) ₹10   b) ₹15   c) ₹20   d) ₹25
Ans: b) ₹15

Q84. If WATER is written as XCVGT, then MILK is written as?
a) OKNM   b) NKOM   c) OKNM   d) NKOM
Ans: a) OKNM

Q85. Which figure will come next? 🟢🔵🟡 , 🔵🟡🔴 , 🟡🔴🟢 , ?
a) 🔴🟢🔵   b) 🔴🟡🔵   c) 🟢🔴🔵   d) 🔵🟢🔴
Ans: a) 🔴🟢🔵

Q86. A basket has 45 oranges. If divided among 9 children equally, each gets?
a) 4   b) 5   c) 6   d) 7
Ans: c) 5

Q87. If 15 × 3 = 45, then 150 × 30 = ?
a) 450   b) 4500   c) 45000   d) 450000
Ans: c) 4500

Q88. Which number is missing? 2, 6, 12, 20, ?
a) 28   b) 30   c) 32   d) 36
Ans: a) 30

Q89. A cube has how many edges?
a) 6   b) 8   c) 12   d) 16
Ans: c) 12

Q90. If 2 boys can finish a work in 6 days, 3 boys will finish it in?
a) 2 days   b) 3 days   c) 4 days   d) 5 days
Ans: c) 4 days

Q91. Which is odd one out?
a) Mercury   b) Venus   c) Mars   d) Moon
Ans: d) Moon

Q92. Find the next term: 100, 90, 80, 70, ?
a) 50   b) 60   c) 65   d) 55
Ans: b) 60

Q93. A man walks 3 km north, then 4 km east. How far is he from starting point?
a) 5 km   b) 6 km   c) 7 km   d) 4 km
Ans: a) 5 km (Pythagoras)

Q94. Which number has exactly 3 digits?
a) 12   b) 123   c) 45   d) 89
Ans: b) 123

Q95. If SCHOOL = 72, then COLLEGE = ? (Add alphabet positions)
a) 60   b) 70   c) 72   d) 74
Ans: d) 74

Q96. Which figure has no vertex?
a) Triangle   b) Square   c) Circle   d) Cube
Ans: c) Circle

Q97. What is 25% of 200?
a) 25   b) 40   c) 50   d) 75
Ans: c) 50

Q98. If 6 × 7 = 42, then 60 × 70 = ?
a) 420   b) 4200   c) 42000   d) 420000
Ans: c) 4200

Q99. Which comes next in Fibonacci series? 13, 21, 34, ?
a) 44   b) 52   c) 55   d) 60
Ans: c) 55

Q100. A clock shows 12:15. Angle between hands?
a) 60°   b) 90°   c) 75°   d) 45°
Ans: c) 75°