NACT Aptitude & Reasoning exam Practice Set class- 4ᵗʰ

Section 1 – Logical Reasoning (25 Questions)

Q1. Which number should come next in the series? 3, 6, 9, 12, ____
a) 14   b) 15   c) 16   d) 18
Ans: b) 15

Q2. Find the odd one out: 7, 14, 21, 27, 28
a) 7   b) 14   c) 27   d) 28
Ans: c) 27

Q3. If A = 1, B = 2, C = 3, then DOG = ?
a) 26   b) 28   c) 24   d) 22
Ans: b) 26

Q4. Which figure is different from the rest?
a) Square   b) Triangle   c) Circle   d) Cube
Ans: d) Cube

Q5. 5 pencils cost ₹25. What is the cost of 1 pencil?
a) ₹2   b) ₹4   c) ₹5   d) ₹6
Ans: c) ₹5

Q6. Which is the smallest 4-digit number?
a) 9999   b) 1000   c) 1111   d) 1010
Ans: b) 1000

Q7. If 2 = 6, 3 = 12, 4 = 20, then 5 = ?
a) 25   b) 30   c) 28   d) 26
Ans: c) 28

Q8. Which number is missing? 2, 4, 8, 16, ____, 64
a) 24   b) 32   c) 48   d) 36
Ans: b) 32

Q9. Which day will be after 2 days of Friday?
a) Sunday   b) Saturday   c) Monday   d) Tuesday
Ans: a) Sunday

Q10. A clock shows 3:15. What is the angle between the hour and minute hands?
a) 90°   b) 45°   c) 60°   d) 75°
Ans: d) 75°

Q11. Which is the odd one out?
a) Apple   b) Banana   c) Mango   d) Potato
Ans: d) Potato

Q12. If MONDAY is coded as NPOEBZ, then TUESDAY will be coded as?
a) UVFTDBZ   b) UVFTEBZ   c) UVFTCBZ   d) UVETDBZ
Ans: a) UVFTDBZ

Q13. Which number will complete the series? 5, 10, 20, 40, ____
a) 60   b) 70   c) 80   d) 100
Ans: c) 80

Q14. Which shape comes next in the sequence? ▲, ●, ▲, ●, ?
a) ▲   b) ●   c) ■   d) ★
Ans: a) ▲

Q15. If 5 + 5 = 10, then 5 + 7 = ?
a) 11   b) 12   c) 13   d) 10
Ans: c) 12

Q16. Which one is different from the rest?
a) Square   b) Triangle   c) Circle   d) Cube
Ans: d) Cube

Q17. Find the missing number: 1, 4, 9, 16, ?
a) 20   b) 25   c) 30   d) 36
Ans: b) 25

Q18. Which is the smallest prime number?
a) 0   b) 1   c) 2   d) 3
Ans: c) 2

Q19. Which of the following is not a polygon?
a) Triangle   b) Square   c) Circle   d) Pentagon
Ans: c) Circle

Q20. Which day comes just before Monday?
a) Saturday   b) Sunday   c) Tuesday   d) Friday
Ans: b) Sunday

Q21. If 8 + 8 = 16, then 18 – 8 = ?
a) 8   b) 10   c) 12   d) 14
Ans: b) 10

Q22. Find the missing number: 11, 22, 33, 44, ___

a) 45   b) 54   c) 55   d) 66

Ans: c) 55

Q23. Which number is odd? 2, 4, 6, 9, 10

a) 2   b) 4   c) 9   d) 10

Ans: c) 9

Q24. Which figure has no sides?

a) Circle   b) Triangle   c) Square   d) Pentagon

Ans: a) Circle

Q25. If 1 = 3, 2 = 6, 3 = 9, then 4 = ?

a) 10   b) 12   c) 14   d) 16

Ans: b) 12

Section 2 – Verbal & Non-Verbal Reasoning (25 Questions)

Q26. If 'sun' is related to 'day', then 'moon' is related to:

a) Night   b) Light   c) Earth   d) Star

Ans: a) Night

Q27. Arrange the words in dictionary order: 1) School, 2) Science, 3) Scene, 4) Scholar

a) 3, 2, 4, 1   b) 2, 3, 1, 4   c) 3, 4, 1, 2   d) 4, 3, 2, 1

Ans: c) 3, 4, 1, 2

Q28. Which word can be made from the letters in "LEMON"?

a) MELON   b) MONEY   c) MONK   d) MEN

Ans: a) MELON

Q29. Identify the mirror image of the letter "P".

a) Horizontal flip   b) Vertical flip   c) Both flips   d) No change

Ans: b) Vertical flip

Q30. Which figure comes next? (▲ ● ▲ ● …)

a) ▲   b) ●   c) ▲●   d) ●▲

Ans: a) ▲

Q31. If CAT = 24, and DOG = 26, then BAT = ?

a) 23   b) 21   c) 22   d) 20

Ans: c) 22

Q32. Which of the following is NOT an animal?

a) Lion   b) Tiger   c) Eagle   d) Rose

Ans: d) Rose

Q33. Choose the correct analogy: Tree : Forest :: Star : ?

a) Sky   b) Moon   c) Sun   d) Planet

Ans: a) Sky

Q34. Which figure is the odd one out? (All triangles except one square)

a) Fig 1   b) Fig 2   c) Fig 3   d) Fig 4

Ans: (the Square)

Q35. Which set of letters is in correct alphabetical order?

a) D, F, E   b) K, L, M   c) R, Q, P   d) X, Z, Y

Ans: b) K, L, M

Q36. Fill in the blank: Book is to Reading as Knife is to ___

a) Writing   b) Cutting   c) Eating   d) Cooking

Ans: b) Cutting

Q37. Which word does not belong?

a) Chair   b) Table   c) Sofa   d) Tiger

Ans: d) Tiger

Q38. Find the odd pair: (Teacher–School, Doctor–Hospital, Farmer–Farm, Pilot–Library)

a) Teacher–School   b) Doctor–Hospital   c) Farmer–Farm   d) Pilot–Library

Ans: d) Pilot–Library

Q39. Which one is the opposite of "Cold"?

a) Hot   b) Warm   c) Cool   d) Ice

Ans: a) Hot

Q40. If FLOWER = 82, then TREE = ?

a) 56   b) 60   c) 61   d) 64

Ans: b) 60

Q41. Which is different?
a) Dog   b) Cow   c) Goat   d) Crow
Ans: d) Crow

Q42. Which comes first in dictionary?
a) Mango   b) Man   c) Manage   d) Many
Ans: b) Man

Q43. Complete the analogy: 2 : 4 :: 3 : ?
a) 5   b) 6   c) 7   d) 8
Ans: b) 6

Q44. Which is the correct sequence?
a) ZYX   b) XYZ   c) XZY   d) YZX
Ans: b) XYZ

Q45. Odd one out: Red, Green, Blue, Square
Ans: Square

Q46. Which is related to "Pen"?
a) Write   b) Eat   c) Run   d) Sleep
Ans: a) Write

Q47. Which does not belong?
a) Rose   b) Lotus   c) Lily   d) Apple
Ans: d) Apple

Q48. Odd one: Milk, Butter, Cheese, Bread
Ans: Bread

Q49. Which word is opposite of "Fast"?
a) Quick   b) Slow   c) Rapid   d) Speed
Ans: b) Slow

Q50. Which is NOT a vehicle?
a) Bus   b) Car   c) Ship   d) Tree
Ans: d) Tree

Section 3 – Mental Ability (25 Questions)

Q51. If 25 × 4 = 100, then 35 × 2 = ?
a) 60   b) 70   c) 75   d) 80
Ans: b) 70

Q52. How many sides does a hexagon have?
a) 5   b) 6   c) 7   d) 8
Ans: b) 6

Q53. Which fraction is greater?
a) 1/2   b) 2/4   c) Both equal   d) None
Ans: c) Both equal

Q54. If 8 is to 64, then 6 is to:
a) 36   b) 48   c) 42   d) 49
Ans: a) 36

Q55. The time is 2:45. What is the time after 30 minutes?
a) 3:15   b) 3:45   c) 4:15   d) 4:00
Ans: b) 3:15

Q56. Which number is missing? 5, 10, 20, 40, ___
a) 60   b) 70   c) 80   d) 100
Ans: c) 80

Q57. If you subtract 15 from 100, what will you get?
a) 95   b) 85   c) 75   d) 65
Ans: b) 85

Q58. Which is heavier?
a) 500 g   b) 1 kg   c) Both same   d) None
Ans: b) 1 kg

Q59. Which is the largest number?
a) 345   b) 354   c) 435   d) 453
Ans: d) 453

Q60. If 12 × 3 = 36, then 15 × 5 = ?
a) 60   b) 65   c) 70   d) 75
Ans: d) 75

Q61. How many hours are there in 2 days?
a) 24   b) 36   c) 48   d) 60
Ans: c) 48

Q62. Which is smallest?
a) 0.5   b) 0.25   c) 0.75   d) 1
Ans: b) 0.25

Q63. A week has how many days?
a) 5   b) 6   c) 7   d) 8
Ans: c) 7

Q64. Which is half of 50?
a) 20   b) 25   c) 30   d) 15
Ans: b) 25

Q65. If 1 dozen = 12, then 2 dozen = ?
a) 22   b) 20   c) 24   d) 30
Ans: c) 24

Q66. Which is the successor of 999?
a) 1000   b) 1001   c) 1002   d) 1100
Ans: a) 1000

Q67. What comes between 45 and 47?
a) 48   b) 44   c) 46   d) 49
Ans: c) 46

Q68. How many minutes in 3 hours?
a) 120   b) 150   c) 180   d) 200
Ans: c) 180

Q69. If 7 × 8 = 56, then 8 × 9 = ?
a) 72   b) 64   c) 81   d) 96
Ans: a) 72

Q70. Which is odd?
a) 25   b) 36   c) 49   d) 50
Ans: d) 50

Q71. Which is smallest 3-digit number?
a) 100   b) 101   c) 110   d) 111
Ans: a) 100

Q72. How many seconds in 5 minutes?
a) 300   b) 360   c) 400   d) 500
Ans: a) 300

Q73. Which is bigger?
a) 1/3   b) 1/4   c) 1/5   d) 1/6
Ans: a) 1/3

Q74. If 9 × 9 = 81, then 11 × 11 = ?
a) 111   b) 112   c) 120   d) 121
Ans: d) 121

Q75. Which is smallest odd number?
a) 1   b) 3   c) 5   d) 7
Ans: a) 1

Section 4 – Achievers Section (HOTS – 25 Questions)

Q76. If 1 star = 2 points, and 1 moon = 3 points, how many points will 4 stars and 2 moons have?
a) 14   b) 16   c) 12   d) 10
Ans: a) 14

Q77. A train leaves at 8:15 am and reaches at 11:45 am. How long is the journey?
a) 2 hrs 30 min   b) 3 hrs 15 min   c) 3 hrs 30 min   d) 4 hrs
Ans: b) 3 hrs 30 min

Q78. Find the missing number: 9 × ? = 72
a) 6   b) 7   c) 8   d) 9
Ans: c) 8

Q79. If A = 1, Z = 26, then J = ?
a) 8   b) 9   c) 10   d) 11
Ans: c) 10

Q80. Which shape will be formed if all sides of a square are increased equally?
a) Rectangle   b) Triangle   c) Bigger Square   d) Circle
Ans: c) Bigger Square

Q81. A shopkeeper had 50 apples. He sold 15. How many apples are left?
a) 25   b) 30   c) 35   d) 40
Ans: c) 35

Q82. If 2 = 8, 3 = 27, 4 = 64, then 5 = ?
a) 100   b) 125   c) 150   d) 225
Ans: b) 125

Q83. Which is the next letter in the series? A, C, E, G, ___
a) H   b) I   c) J   d) K
Ans: c) I

Q84. A rectangular field has a length of 20 m and width of 10 m. What is its area?
a) 200 m²   b) 210 m²   c) 220 m²   d) 250 m²
Ans: a) 200 m²

Q85. Which one is a leap year?
a) 2019   b) 2020   c) 2021   d) 2022
Ans: b) 2020

Q86. Which is greater? (12 × 12) or (15 × 10)
a) 144   b) 150   c) Both equal   d) None
Ans: b) 150

Q87. If 1 = 1, 2 = 4, 3 = 9, then 6 = ?
a) 36   b) 42   c) 48   d) 56
Ans: a) 36

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

Q89. A man walks 3 km north and 4 km east. What is the shortest distance from start?
a) 5 km   b) 6 km   c) 7 km   d) 4 km
Ans: a) 5 km

Q90. If ½ of 200 is 100, then ¼ of 200 = ?
a) 20   b) 40   c) 50   d) 60
Ans: c) 50

Q91. What comes next in series: 2, 4, 12, 48, ___
a) 96   b) 120   c) 192   d) 240
Ans: c) 192

Q92. If 1 week = 7 days, then 15 days = ? weeks and days
a) 2 weeks 1 day   b) 2 weeks 2 days   c) 2 weeks 3 days   d) 2 weeks 4 days
Ans: b) 2 weeks 1 day

Q93. If 100 ÷ 4 = 25, then 400 ÷ 4 = ?
a) 50   b) 75   c) 100   d) 200
Ans: c) 100

Q94. If 2 pens cost ₹20, then 10 pens cost?
a) ₹80   b) ₹90   c) ₹100   d) ₹120
Ans: c) ₹100

Q95. Which is odd one out? 64, 125, 216, 343, 400
Ans: 400 (not a cube)

Q96. Which one is greater? 0.7 or ¾
a) 0.7   b) 0.75   c) Equal   d) None
Ans: b) ¾

Q97. Which is perimeter of square of side 5 cm?
a) 10 cm   b) 15 cm   c) 20 cm   d) 25 cm
Ans: c) 20 cm

Q98. If 1 litre = 1000 ml, then 2.5 litre = ?
a) 2000 ml   b) 2500 ml   c) 3000 ml   d) 3500 ml
Ans: b) 2500 ml

Q99. Which one is different? 81, 64, 49, 36, 30
Ans: 30 (not a square)

Q100. If 6 × 6 = 36, then $\sqrt{49}$ = ?
a) 6   b) 7   c) 8   d) 9
Ans: b) 7