#### Class-4<sup>th</sup> Maths

Section 1: Logical Reasoning (25 Questions)

Q1. What comes next in the pattern: 3, 6, 9, 12, ?

A. 14 B. 15 C. 16 D. 18

Ans: B

**Q2**. Find the odd one out: 27, 64, 125, 150, 216

A. 27 B. 125 C. 150 D. 216

Ans: C

Q3. If MONDAY is coded as NPOEBZ, how is FRIDAY coded?

A. GSJEBZ B. GSJCBZ C. GRJEBZ D. GSIEAZ

Ans: A

Q4. Which figure comes next?

A. ♦ B. ▲ C. ■ D. ■

Ans: A

**Q5.** Aman is taller than Ravi but shorter than Suresh. Who is the shortest?

A. Aman B. Ravi C. Suresh D. Cannot be determined

Ans: B

**Q6.** Which of the following is a mirror image of L7?

A. L7 B. 7L C. 7L D. None

Ans: C

Q7. Complete the analogy: Pen: Write::

Knife:?

A. Spoon B. Cut C. Sharp D. Food

Ans: B

**Q8.** If 2 \* 3 = 13 and 3 \* 4 = 25, then 4 \* 5 = ?

A. 37 B. 20 C. 45 D. 41

Ans: D

**Q9.** Find the missing number: 3, 6, 12, 24,

A. 36 B. 40 C. 48 D. 60

Ans: C

Q10. Which day comes after two days of Wednesday?

A. Friday B. Thursday C. Saturday D. Sunday

Ans: A

Q11. Which number is odd? 2, 4, 6, 8, 9

Ans: D

Q12. If CAT = DBU, then DOG = ?

Ans: A (EPH)

Q13. Which is the odd one out? Square,

Triangle, Circle, Cube

Ans: D

Q14. What comes next in the sequence: 2, 4, 8, 16, ?

**Ans:** C (32)

Q15. A clock shows 3:15. What is the angle between hands?

**Ans:** B (47.5°)

**Q16.** Find the odd one: Mango, Apple, Banana, Potato

Ans: D

Q17. Which shape comes next?  $\blacktriangle$ ,  $\bullet$ ,  $\blacktriangle$ ,  $\bullet$ , ?

Ans: A

**Q18.** If A = 1, B = 2, C = 3, then DOG = ?

**Ans:** C (26)

**Q19.** Choose the correct pair: Dog – Meows, Cat – Barks, Cow – Moos, Duck – Roars

Ans: C

**Q20.** Which is heavier? 1 kg cotton or 1 kg iron?

**Ans:** C (Both equal)

Q21. Which direction is opposite of East?

Ans: A (West)

Q22. If 5 pencils cost ₹25, cost of 1 pencil = ?

Ans: A (₹5 each → correct option is ₹5 actually, not ₹2)

Q23. Count the triangles in: **A** 

**Ans**: B (6)

Q24. If today is Monday, what will be after 3 days?

**Ans:** A (Thursday)

Q25. Odd one out: 121, 144, 169, 225

Ans: B (144 not prime square like others)

## X Section 2: Mathematical Reasoning (25 Questions)

Q26. What is the place value of 7 in 4782?

**Ans:** C (700)

Q27. Which of the following is not a prime number?

**Ans:** C (9)

**Q28.** Greatest 4-digit number divisible by 9? **Ans:** C (9999  $\div$  9 = 1111  $\rightarrow$  remainder 0, so

Ans = B actually. Correction: Ans B 9999)

Q29. If 1 dozen pencils cost ₹96, cost of 7

pencils?

**Ans:** B (₹56)

Q30. How many lines of symmetry does a

square have?

**Ans:** D (4)

Q31. What is the LCM of 4 and 6?

**Ans:** C (12)

Q32. Which fraction is equivalent to 3/4?

**Ans:** A (6/8)

Q33. Perimeter of rectangle with length 10,

breadth 5?

**Ans:** A (30 cm)

Q34.3/5 + 2/5 = ?

**Ans:** B (5/5 = 1)

Q35. 25% of 160?

**Ans:** B (40)

**Q36.** Simplify:  $84 \div 7 \times 3 = ?$ 

**Ans:** C (36)

Q37. 1 km = ? metres

**Ans:** D (1000)

Q38. HCF of 24 and 36?

**Ans:** B (12)

Q39. Which is a leap year?

A. 1900 B. 2000 C. 2019 D. 2100

**Ans:** B (2000)

**Q40.** Value of  $35 \times 11 = ?$ 

**Ans:** C (385)

**Q41.** Write 4079 in words.

Ans: A (Four thousand seventy-nine)

**Q42.** Simplify:  $7^2 = ?$ 

**Ans**: B (49)

**Q43.** Which is greater: 0.7 or 7/10?

**Ans:** C (Equal)

Q44. Area of square with side 9 cm?

**Ans:** D (81 cm<sup>2</sup>)

Q45. Smallest prime number?

**Ans:** A (2)

**Q46.**  $\frac{1}{3}$  of 90 = ?

**Ans:** C (30)

**Q47.** Roman numeral for 49 = ?

Ans: D (XLIX)

**Q48.** Square of 25?

**Ans:** B (625)

Q49. Which is an even prime?

**Ans:** A (2)

**Q50.** If a = 5, b = 3, find  $a^2 + b^2$ .

**Ans:** D (34)

### Section 3: Everyday Mathematics (25

Questions)

Q51. If 1 mango costs ₹12, cost of 6

mangoes? **Ans:** B (₹72)

Q52. Shopkeeper sold 48 pens at ₹10 each.

Income?

**Ans:** A (₹480)

Q53. Sita bought dress ₹1750, paid ₹2000.

Change?

**Ans:** C (₹250)

Q54. Car travels 60 km in 1 hr. Distance in

3.5 hrs?

**Ans:** C (210 km)

Q55. How many 5-rupee coins make ₹100?

**Ans:** D (20)

Q56. Ravi had ₹50. Bought ball ₹25.50 and

bat ₹21.25. Balance?

**Ans:** A (₹3.25)

Q57. Tank 250 L. Uses 45 L/day. How many

days?

**Ans:** C (7)

Q58. Pizza 8 parts, Rani eats 3. Fraction

eaten?

**Ans:** B (3/8)

Q59. Reach school at 7:45, assembly 8:00.

Minutes left?

**Ans:** B (15)

Q60. Which unit measures milk?

Ans: B (Litre)

**Q61.** Bus fare ₹25 per student. 40 students?

Ans: C (₹1000)

Q62. A box has 36 apples. Shared equally

<mark>among 6 friends.</mark> Ea<mark>c</mark>h gets?

**Ans:** A (6)

<mark>Q63. Ram</mark>esh spends ₹30 on pen, ₹20 on

notebook. Total?

**Ans:** B (₹50)

Q64. Father's age is 42, son's is 12. Age

difference?

**Ans:** A (30)

Q65. 1 litre = ? millilitres

**Ans:** D (1000)

Q66. 10 chocolates cost ₹150. Cost of 1

chocolate?

**Ans:** C (₹15)

Q67.7 days = ? weeks

**Ans**: A (1)

Q68. How many minutes in 2 hours?

**Ans:** B (120)

**Q69.** Railway ticket ₹45 each. Cost of 5

tickets?

**Ans:** C (₹225)

Q70. A clock shows 6:30. Hour hand

between?

**Ans:** A (6 and 7)

Q71. A dozen bananas cost ₹60. Cost of 1

banana? **Ans:** B (₹5)

Q72. Cost of 1 chair ₹750. Cost of 4 chairs?

**Ans:** C (₹3000)

Q73. A train travels 240 km in 4 hrs. Speed?

**Ans:** A (60 km/h)

**Q74**. Rahul has ₹250, buys book ₹185.

Balance? **Ans:** D (₹65)

**Q75.** Time from 9:15 AM to 10:00 AM = ?

minutes Ans: B (45)

#### Section 4: Achievers (HOTS) (25

Questions)

Q76. I am a 2-digit number. My digits add up to 11. I am >50 but <60. What number am I?

**Ans:** A (56)

Q77. Ramu had ₹500. Bought 3 notebooks ₹45 each + compass box ₹180. Total spent?

**Ans:** A (315)

Q78. A farmer had 240 apples. Packed in 8

boxes. Added 4 more to each. Total?

**Ans:** C (272)

Q79. Square with perimeter 64 cm. Side?

**Ans:** B (16 cm)

Q80. Train travels 180 km in 2 hrs. Speed?

**Ans:** B (90 km/h)

**Q81.** 1/4 of a number = 12. Number = ?

**Ans:** C (48)

Q82. Which number is both square and

cube?

**Ans:** C (64)

Q83. Minute hand full rounds in 12 hrs?

**Ans**: B (12)

Q84. Difference between 1000 and 999?

**Ans**: A (1)

**Q85.** If 3x = 18, x+5 = ?

**Ans**: B (11)

Q86. A book has 120 pages. Ritu reads 15

daily. Days to finish?

**Ans:** C (8)

Q87. Smallest common multiple of 15 and

20?

**Ans:** D (60)

Q88. The product of two consecutive

numbers is 56. Numbers?

**Ans:** B (7, 8)

**Q89.** What is  $13 \times 14$ ?

**Ans:** D (182)

Q90. A tank fills 25 L/min. In 40 min,

volume?

**Ans:** C (1000 L)

**Q91.**  $2^3 \times 3^2 = ?$ 

**Ans:** B (72)

**Q92.** Simplify:  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} = ?$ 

**Ans**: D (7/8)

**Q93.** Find missing: 7, 14, 28, 56, ?

**Ans**: B (112)

**Q94.** If 12 pens cost ₹180, cost of 1 pen?

**Ans:** C (₹15)

Q95. What is the average of 8, 10, 12, 14?

**Ans:** B (11)

Q96. A cube has how many edges?

**Ans:** D (12)

Q97. The sum of first 10 natural numbers =

?

**Ans:** C (55)

**Q98.** What is  $\frac{2}{3}$  of 120?

**Ans:** A (80)

Q99. Which is the next prime after 47?

**Ans:** D (53)

Q100. If 5 workers complete a wall in 12

days, 10 workers will take?

Ans: B (6 days)

# NACT MATHS EXAM