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IQNexus Mathematics Olympiad (IQMO) – Class 3

Time: 1 Hour

Total Marks: 100

Instructions:

All questions are multiple-choice.

Choose the correct answer from the four options provided.

Each question carries different marks as per the section.

Section 1: Number Sense & Operations (10 questions × 3 marks = 30 marks)

1. What is the sum of 256 and 198?

A) 354

B) 444

C) 454

D) 464

2. Which number is one hundred more than 679?

A) 589

B) 779

C) 789

D) 879

3. What is the place value of 5 in 5,832?

- A) 5
- B) 50
- C) 500
- D) 5000

4. What is  $375 - 187$ ?

- A) 168
- B) 178
- C) 188
- D) 198

5. Which of the following is an even number?

- A) 527
- B) 413
- C) 602
- D) 715

6. If a bag contains 3 groups of 5 apples, how many apples are there in total?

- A) 8
- B) 12
- C) 15
- D) 18

7. Which fraction represents half of a whole?

- A)  $\frac{1}{3}$
- B)  $\frac{2}{4}$

C)  $\frac{3}{5}$

D)  $\frac{1}{2}$

8. What is  $45 \div 5$ ?

A) 5

B) 9

C) 10

D) 12

9. What comes next in the series? 2, 4, 8, 16, \_\_\_

A) 20

B) 24

C) 32

D) 64

10. A farmer has 3 rows of 6 tomato plants each. How many tomato plants are there in total?

A) 12

B) 15

C) 18

D) 24

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Section 2: Patterns & Logical Thinking (5 questions  $\times$  3 marks = 15 marks)

11. Find the missing number in the pattern: 5, 10, 15, \_\_, 25, 30

A) 18

B) 20

C) 22

D) 24

12. If a triangle has 3 sides, how many sides do 5 triangles have together?

A) 8

B) 10

C) 12

D) 15

13. If  $\blacktriangle = 5$ ,  $\star = 7$ , and  $\blacklozenge = 3$ , what is  $\blacktriangle + \star - \blacklozenge$ ?

A) 5

B) 7

C) 9

D) 11

14. A train moves 4 stations forward and then 2 stations back. If it starts at Station A, where will it be after this movement?

A) 2 stations ahead

B) 3 stations ahead

C) 4 stations ahead

D) 6 stations ahead

15. If 1 book costs ₹20, how much do 4 books cost?

- A) ₹60
  - B) ₹80
  - C) ₹100
  - D) ₹120
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Section 3: Word Problems & Applications (10 questions × 3.5 marks = 35 marks)

16. Ria has 28 chocolates. She gives away 8 to her friend. How many does she have left?

- A) 16
- B) 18
- C) 20
- D) 22

17. A box contains 6 packets of biscuits, and each packet has 10 biscuits. How many biscuits are there in total?

- A) 50
- B) 60
- C) 80
- D) 100

18. A car travels 35 km in one hour. How far will it travel in 3 hours?

- A) 70 km
- B) 90 km
- C) 105 km

D) 120 km

19. A shopkeeper sold 125 apples in the morning and 98 apples in the evening. How many apples were sold in total?

A) 213

B) 223

C) 233

D) 243

20. A rope is 5 meters long. Another rope is 3 meters longer than it. What is the length of the second rope?

A) 6 meters

B) 7 meters

C) 8 meters

D) 9 meters

21. A pencil costs ₹8 and an eraser costs ₹5. What is the total cost of 3 pencils and 2 erasers?

A) ₹29

B) ₹34

C) ₹38

D) ₹40

22. A movie starts at 3:30 PM and lasts for 2 hours 15 minutes. At what time will it end?

A) 5:30 PM

B) 5:45 PM

C) 6:00 PM

D) 6:15 PM

23. A man buys a watermelon weighing 8 kg. If he eats 2.5 kg, how much is left?

A) 4.5 kg

B) 5.5 kg

C) 6.5 kg

D) 7.5 kg

24. If a clock shows 7:45, how many minutes are left for it to reach 8:30?

A) 30 minutes

B) 35 minutes

C) 40 minutes

D) 45 minutes

25. A rectangle has length 8 cm and width 5 cm. What is its area?

A)  $30 \text{ cm}^2$

B)  $35 \text{ cm}^2$

C)  $40 \text{ cm}^2$

D)  $45 \text{ cm}^2$

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Section 4: Achievers Section (5 questions  $\times$  4 marks = 20 marks)

26. A number is 5 times greater than 6. What is the number?

A) 25

B) 30

C) 35

D) 40

27. There are 4 red, 6 blue, and 5 green balls in a bag. What is the probability of picking a blue ball?

A)  $\frac{1}{3}$

B)  $\frac{2}{5}$

C)  $\frac{3}{5}$

D)  $\frac{7}{8}$

28. The sum of two numbers is 95. One number is 47. What is the other number?

A) 38

B) 40

C) 48

D) 50

29. A train leaves at 6:15 AM and reaches its destination at 9:45 AM. How long does the journey take?

A) 2 hours 30 minutes

B) 3 hours

C) 3 hours 15 minutes

D) 3 hours 30 minutes

30. If the pattern follows 2, 5, 10, 17, \_\_, what is the missing number?

A) 24

B) 26

C) 28

D) 30

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### SECTION 1: NUMBER SENSE & OPERATIONS

1. C) 454
2. C) 789
3. D) 5000
4. B) 178
5. C) 602
6. C) 15
7. D)  $\frac{1}{2}$
8. B) 9
9. C) 32
10. C) 18

### SECTION 2: PATTERNS & LOGICAL THINKING

11. B) 20
12. D) 15
13. C) 9
14. A) 2 stations ahead
15. B) ₹80

### SECTION 3: WORD PROBLEMS & APPLICATIONS

16. C) 20
17. B) 60
18. C) 105 km
19. A) 223
20. D) 9 meters
21. B) ₹34
22. B) 5:45 PM
23. C) 6.5 kg
24. B) 35 minutes
25. B)  $40 \text{ cm}^2$

SECTION 4: ACHIEVERS SECTION

26. B) 30

27. A)  $\frac{1}{3}$

28. C) 48

29. C) 3 hours 15 minutes

30. (26)