

Grade
4

Grand Finale 2024–25

M-CAT Question Paper

NMA025

Return the answer sheet along with question paper to the invigilator at the end of the exam.



TOTAL MARKS
100



QUESTIONS
50



DURATION
60 mins



Instructions for Student:

- Read the question carefully before answering.
- Each question has 4 options (A, B, C & D).
- Choose one correct option as your answer, from the 4 options.
- Every question carries 2 marks.
- There will be an additional 0.5 Negative Marking for every wrong answer.
- On the answer sheet blacken the correct option against the corresponding question number.

The Correct Method

| Q. | Answer |
|----|---------------|
| 1 | (A) (B) ● (D) |

The Wrong Methods

| Q. | Answer |
|----|---------------|
| 1 | (A) ● ● (D) |
| 1 | (A) (B) ● (D) |
| 1 | (A) (B) ✓ (D) |
| 1 | (A) (B) ✗ (D) |

- Use pencil to mark your answer.
- If you wish to change your answer, erase the previous mark completely.

1. Solve: $X + I + II + V =$ _____

- a. XV
- b. XIIIIV
- c. XVIII
- d. XIV

2. Evaluate: $10 + 4 \times (9 \div 3) - 5$

- a. 12
- b. 17
- c. 19
- d. 22

3. What is the estimated value of 4196 to the nearest thousand?

- a. 4000
- b. 1000
- c. 6000
- d. 5000

4. Solve: $\frac{2}{11} + \frac{7}{11} - \frac{3}{11} - \frac{5}{11}$

- a. $\frac{11}{121}$
- b. $\frac{1}{11}$
- c. $\frac{1}{121}$
- d. $\frac{17}{11}$

5. Compare: 7.00002 _____ 7.00282

- a. >
- b. <
- c. =
- d. None of the above

6. Product of the third multiple of 3 and first multiple of 9 is _____.

- a. 18
- b. 81
- c. 54
- d. 216

7. Find the smallest number which is exactly divisible by 5, 10, 2 and 20.

- a. 20
- b. 40
- c. 50
- d. 60

8. Mayank bought 15 kg apples on day 1, 10 kg 500 g apples on day 2 and 7 kg 500 g apples on day 3. What is the total quantity of apples bought by Mayank in three days?

- a. 33 kg
- b. 32 kg
- c. 31 kg 900 g
- d. None of these

9. What is the sum of the place value and the face value of 3 in the number 4356?

- a. 6
- b. 330
- c. 297
- d. 303

10. Mr. Murthy earns ₹ 36,00,000 per annum. What is his monthly salary?

- a. ₹ 36,000
- b. ₹ 60,000
- c. ₹ 1,20,000
- d. ₹ 3,00,000

11. What does the zero in the number 0.74 represent?

- a. That the number is less than one.
- b. That the number is more than one.
- c. The number has no value.
- d. None of these.

12. In a triangle ABC, $\angle A = 74^\circ$ and $\angle C = 66^\circ$. Find $\angle B$.

- a. 100°
- b. 80°
- c. 60°
- d. 40°

13. Shubham bought 12 bags of black balls and 4 bags of red balls. Each bag of balls has 11 pieces in it. Which expression could he use to find the total number of balls he bought?

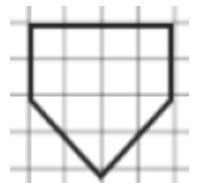
- a. $(11 \times 12) + 4$
- b. $(11 \times 4) + 12$
- c. $11 \times (12 + 4)$
- d. $11 + (12 \times 4)$

14. Find the value of the 10th multiple of 10 minus the 5th multiple of 5.

- a. 75
- b. 100
- c. 70
- d. 90

15. What is the area of the given shape, if 1 square = 1 sq. cm?

- a. 9 sq. cm
- b. 10 sq. cm
- c. 8 sq. cm
- d. 12 sq. cm



16. Which of the following is the best suited unit for measuring the length of a rope?

- a. Kilogram
- b. Kilometer
- c. Meter
- d. Milliliter

17. What will be the time 13 minutes after the time shown in the clock here?

- a. 3:35 p.m.
- b. 7:17 p.m.
- c. 7:30 p.m.
- d. 3:48 p.m.



18. What is the total amount of money in a purse if it contains two notes of ₹ 5, three notes of ₹ 10 and four notes of ₹ 50?

- a. ₹ 220
- b. ₹ 240
- c. ₹ 200
- d. ₹ 260

19. How many lines of symmetry does the figure shown here have?

- a. 8
- b. 5
- c. 2
- d. None of these



20. How many milliliters make 135 l?

- a. 135 ml
- b. 1350 ml
- c. 135000 ml
- d. 0.00135 ml

21. How many minutes are there in one weekend (Saturday & Sunday)?

- a. $48 \times 60 \times 60$
- b. 24×60
- c. 48×60
- d. $24 \times 60 \times 60$

22. Which of the following numbers is equivalent to 1 million in the Indian number system?

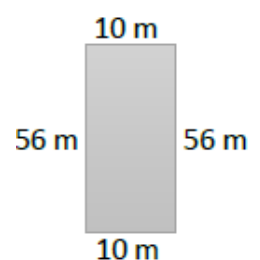
- a. 1 lakh
- b. 10 lakh
- c. 100 lakh
- d. 1000 lakh

23. Look at the analogy carefully and choose the correct option $7: 14 :: 5: \underline{\hspace{1cm}}$.

- a. 21
- b. 10
- c. 28
- d. 14

24. What is the perimeter of the rectangle PQRS?

- a. 56 m
- b. 66 m
- c. 122 m
- d. 132 m



25. Answer the question based on the given information:

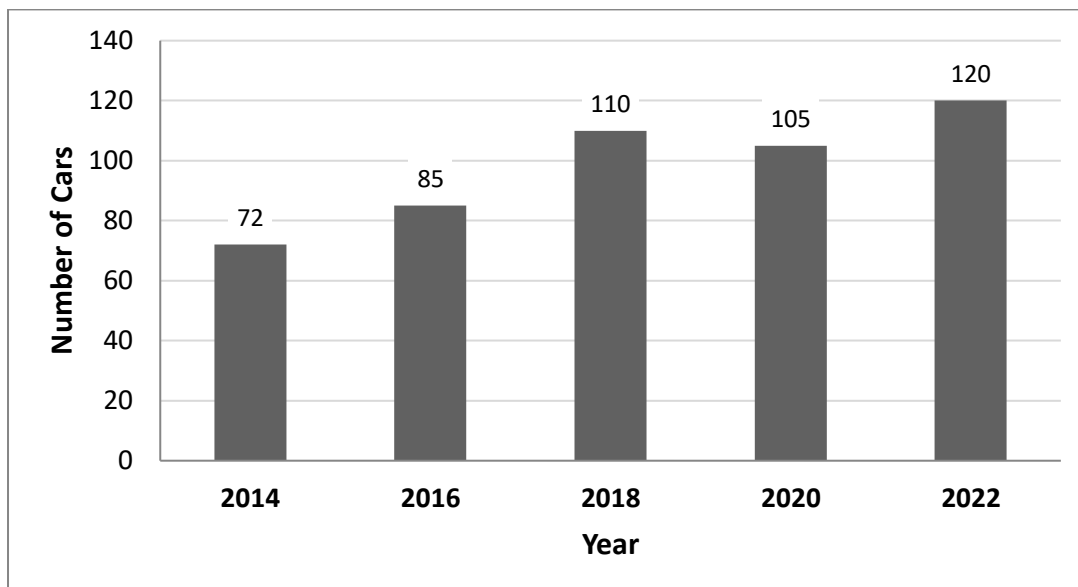
| Ribbon Colour | Length |
|---------------|---------|
| Red | 1.23 m |
| Green | 1.24 m |
| Yellow | 1.230 m |
| Blue | 1.250 m |

Which ribbon is longer than the green ribbon?

- a. Red
- b. Yellow
- c. Blue
- d. None of these

Answer questions 26–29 based on the bar graph given below:

The bar graph given below represents data on the number of cars in a town in various years.



26. The town has the lowest number of cars in the year ____.

- a. 2014
- b. 2020
- c. 2008
- d. 2016

27. The town had the highest number of cars in the year ____.

- a. 2008
- b. 2014
- c. 2018
- d. 2022

28. The town has ____ more cars in 2020 compared to the number of cars in the year 2016.

- a. 21
- b. 20
- c. 19
- d. 18

29. Compare: Number of cars in 2020 _____ Number of cars in 2018.

- a. >
- b. <
- c. =
- d. None of these

30. Sneha bought 8 boxes of cold drinks for a party. There were 22 cans in each box. How many cans of cold drinks did she buy altogether?

- a. 152
- b. 176
- c. 146
- d. 202

31. What fraction of the circle is coloured black?

- | | |
|------------------|------------------|
| a. $\frac{2}{8}$ | b. $\frac{1}{7}$ |
| c. $\frac{1}{3}$ | d. $\frac{3}{7}$ |



32. Which of the following is odd one out?

- a. 12
- b. 24
- c. 43
- d. 18

33. Which of the following is NOT CORRECT?

- a. April, June, September and November have 30 days.
- b. A leap year has 366 days.
- c. 1 Year = 4 Quarters and 1 Quarter = 4 Months.
- d. The 24-hour time format does not have the suffixes a.m. and p.m.

34. Which of the following is TRUE?

- a. 180° is a right angle
- b. 250° is an obtuse angle
- c. 10° is a straight angle
- d. 280° is a reflex angle

35. For any quadrilateral, number of angles + number of sides = _____

- a. 4
- b. 8
- c. 6
- d. 10

36. Which of the following is INCORRECT?

- a. Every fraction has an infinite number of equivalent fractions.
- b. Equivalent fractions are fractions that denote the different values.
- c. A proper fraction is a fraction whose numerator is less than its denominator.
- d. A mixed fraction is a combination of a whole number and a fraction.

37. Which of the following is NOT TRUE?

- a. $56 \times 13 = 13 \times 56$
- b. $56 \times 13 = 13 \times (50 + 6)$
- c. $56 \times 13 = 50 \times (10 + 3)$
- d. $56 \times 13 = (50 + 6) \times (10 + 3)$

38. Using the digits 0, 1, 3, 5 write down the smallest and largest possible numbers with two decimal places without putting 0 in the tens or hundredths place.

- a. Largest: 53.01, Smallest: 01.35
- b. Largest: 53.01, Smallest: 10.35
- c. Largest: 53.10, Smallest: 01.53
- d. Largest: 05.13, Smallest: 01.35

39. Find the quotient of: $4\frac{2}{7} \div \frac{2}{21}$

- a. 45
- b. 47
- c. 50
- d. 52

40. Which of the following pairs of numbers has the HCF of 8?

- a. 18 and 2
- b. 24 and 40
- c. 12 and 36
- d. 32 and 18

41. What is the radius of a circle if the length of its largest chord is 120 cm?

- a. 100 cm
- b. 60 cm
- c. 240 cm
- d. None of these

42. Which of the following are the common factors of 18 and 24?

- a. 2 and 4
- b. 4 and 6
- c. 8 and 18
- d. 2 and 6

43. A playground which is 125 m long and 50 m broad is to be fenced with wire. How much wire is needed?

- a. 270 m
- b. 230 m
- c. 350 m
- d. 5000 m

44. What is 34528 rounded to the nearest thousand?

- a. 34500
- b. 35000
- c. 34510
- d. 30000

45. Which of the following terms describes a segment connecting any two points on a circle's circumference?

- a. Radius
- b. Diameter
- c. Chord
- d. Arc

46. ____ is the weight of material contained by an object.

- a. Meter
- b. Mass
- c. Time
- d. Capacity

47. Which of the following is CORRECT?

- a. We can add, subtract, multiply and divide money.
- b. We can convert money from one unit to another.
- c. Money comes in the form of notes and coins.
- d. All of the above.

48. Which of the following is expressed in square units?

- a. Perimeter
- b. Area
- c. Square
- d. Rectangle

49. The shapes which do not begin and end at the same point are called _____ shapes.

- a. Open
- b. Closed
- c. Vertex
- d. Polygon

50. Which of the following can be measured in litres?

- a. Length of a table
- b. Weight of potatoes
- c. Quantity of water in bottle
- d. Temperature of a body

