## 2022-23 <br> ALL INDIA MATHS CHALLENGE EXAM (AIMCE)

Name of the Student : $\qquad$ Roll No.: $\square$
Name of the School $\qquad$ Date : $\qquad$ Class
:
Subject: Mathematics
Time: 60 Min

## Instructions to the Candidate

1. Each question carries 1 mark. There is no negative marking.
2. Separate Optical Mark Reader (OMR) Answer Sheet is supplied to you along with question paper booklet.
3. Read the questions carefully and fill in the circle corresponding to your answer. Fill in the circle Completely.
4. Rough work should be done only in the space provided in the Question Paper Booklet.
5. Return the OMR Answer sheet to the invigilator before leaving the examination hall.
6. You can carry the question paper with you after completing the examination.
7. Once you enter the examination hall, you are not permitted to leave till the end of the examination.

## III Class (Mathematics)

1. 7380 is Mr. Sharma's Car number. Which of the following shows the correct name of Mr. Sharma's Car?
(A) Seven hundred thirty eight
(B) Seven thousand three hundred eight
(C) Seven thousand three hundred eighty
(D) Seven thousand eight hundred thirty
2. Anusha has 573 coins. Suneeta has 100 coins more than Anusha. How many coins does Suneeta have?
(A) 473
(B) 673
(C) 463
(D) 873
3. Aman divided 9 marbles into 2 equal groups. Which of the following shows the number of marbles he has?
(A)

(B)

(C)

(D)

4. Ram weighs 20 kg . His sister weighs half. What is his sister's weight?
(A) 10 kg
(B) 15 kg
(C) 18 kg
(D) 12 kg
5. Replace the question mark (?) with correct option

(A) 48

(B) 18

(C) 81
(D) 64
6. Count the number of squares in the given figure

(A) 4
(B) 5
(C) 6
(D) 7
7. The sum of the two numbers is 20 . If one of the numbers is 14 , the other number is $\qquad$
(A) 4
(B) 8
(C) 16
(D) 6
8. 1 thousand is equal to
(A) 10 hundreds
(B) 100 tens
(C) 1000 ones
(D) all of these
9. Choose the figure which can't be divided into two equal parts
(A)

(B)

(C)

(D)

10. If 'Spoon' means 'Plate' ; Plate means 'Glass' and 'Glass' means 'Bucket'; then what is used to drink water?
(A) Spoon
(B) Plate
(C) Glass
(D) Bucket
11. Deepak bought a book for Rs. 345 and gave the Shopkeeper Rs. 500 note. How much change did he get back?
(A) Rs. 155
(B) Rs. 255
(C) Rs. 165
(D) Rs. 265
12. Toto the tortoise is 110 years old. How old will he be on his next birthday?
(A) 111 years
(B) 109 years
(C) 108 years
(D) 112 years
13. In the word 'INDEPENDENCE' how many letters are made of three strokes?
(A) 3
(B) 4
(C) 6
(D) 8
14. What number can you divide by 6 to get 6 ?
(A) 30
(B) 64
(C) 45
(D) 36
15. Find the missing number in the number pyramid

(A) 215
(B) 315
(C) 2115
(D) 285
16. Choose the fraction to show the amount of water in the glass

(A) $\frac{1}{3}$
(B) $\frac{1}{4}$
(C) $\frac{1}{2}$
(D) $\frac{1}{6}$
17. The greatest 4 - digit number that can form using the digits $6,0,8,9$ is $\qquad$
(A) 9860
(B) 9806
(C) 8906
(D) 9608
18. There are 238 people travelling by plane. Is it an odd or even number?
(A) Even
(B) Odd
(C) Both
(D) None
19. How many times should 25 be subtracted from 50 to give 0 ?
(A) 1
(B) 2
(C) 3
(D) 4
20. A bookseller sells 431 books per month. Round this off to the nearest hundreds
(A) 430
(B) 500
(C) 400
(D) 440
21. Tim exchanged a Rs. 100 note with Rs. 5 coins.

How many Rs. 5 coins will he get?
(A) 10
(B) 20
(C) 15
(D) 50
22. Today is Monday, Ramu who is eager to celebrate his Birthday has to wait for 4 more days. What day is his birthday on?
(A) Thursday
(B) Saturday
(C) Friday
(D) Wednesday
23. I am between 500 and 600. I have the same digit in all the places. Who am I?
(A) 666
(B) 550
(C) 606
(D) 555
24. Which of the following is not equal to 2400 ?
(A) $24 \times 100$
(B) $30 \times 60$
(C) $40 \times 60$
(D) $8 \times 300$
25. Vishnu started studying at $7: 30$. He studied 3 hours.

At what time did he stop studying?
(A) $8: 30$
(B) $10: 30$
(C) 7:33
(D) $9: 30$
26. A family of 10 needs about 450 grams of rice daily. But they always cook 500 grams. The rest of the rice gets wasted. How much rice do they waste daily?
(A) 500 grams
(B) 150 grams
(C) 50 grams
(D) 950 grams
27. Riya gave Rs. 10 from her pocket money to the Prime Mister's fund to help flood victims. Her elder sister gave Rs.20. Her parents gave Rs. 200 How much money did they give in all?
(A) Rs. 400
(B) Rs. 300
(C) Rs. 240
(D) Rs. 230
28. This jug holds 1000 ml of water. We can also say that it holds $\qquad$ of water

(A) $100 l$
(B) 11
(C) $10 l$
(D) $50 l$
29. Jyothi is helping her father collect empty plastic bottles for recycling. She finds 5 bottles each day for 1 week. How many bottles did she collect?
(A) $5+1$
(B) $5+7$
(C) $5 \times 7$
(D) $5 \times 5$
30. How many times does the digit 3 appear from 1 to 40 ?
(A) 10
(B) 13
(C) 14
(D) 12
31. What numbers is covered by the star?
() $+\varnothing=3$



(A) 5
(B) 3
(C) 4
(D) 2
32. What is the missing figure in the sequence?


(B)


(D

33. Rishi put 70 chocolates into 7 boxes equally. How many chocolates did he put in one box?
(A) 7
(B) 10
(C) 70
(D) 35
34. Sunil shows 2951 on the abacus. If he removes one bead from the hundreds place and adds it to the tens place, what will be the new number be?

(A) 2861
(B) 2961
(C) 2751
(D) 2591
35. Pankaj wants to measure his new bed sheet. Which of the following unit should be used to measure?
(A) ml
(B) m
(C) km
(D) kg
36. If $\odot=5$ students, then $\odot \odot \odot)$ is equal to $\qquad$
(A) 10 students
(B) 15 students
(C) 6 students
(D) 30 students
37. Whose date of birth is given below?

| Day |
| :---: |
| II |
|  |


| Month |
| :---: |
| X |
|  |

(A) Mahatma Gandhi
(B) Jawaharlal Nehru
(C) Narendra Modi
(D) Rajiv Gandhi
38. Observe the relation between the pair of words on either side of :: and choose the correct option.
Magic : Tricks :: Comedy : ?
(A) Dance
(B) Jokes
(C) Songs
(D) Clap
39. Which of the following option is not true?
(A) Sum of a number and zero is O .
(B) Difference between two same numbers is O .
(C) Product of a number and zero is O.
(D) Sum of a number and zero is number itself.
40. Which number will make the following sentence true?
$56+\square=110$
(A) 54
(B) 45
(C) 64
(D) 74

