27thMIV
(MATHEMATICS)

Time Allowed 1 hour   Maximum Marks : 100

Read the following instructions carefully before you begin to answer the questions.

1. This booklet contains 50 questions in all.

2. All questions are compulsory and each question carries 2 marks.

3. Before you start to answer the questions you must check up this booklet and ensure that it contains all the pages 7 (Seven) and see that no page is missing or repeated. If you find any defect in this Booklet, you must replace it immediately.

4. There will **NOT** be any negative marking for wrong answers.

5. You are required to fill the information on the answer sheet which you will get in the examination hall by **H.B. pencil or BALL point pen(Blue or Black).**

6. **Answer Sheet** and **Question Paper** will be supplied in examination hall. After the test is over, you should hand over the answer sheet to the invigilator before leaving the room.

7. You should write your **Name, Roll No., School name** carefully on the space provided in the answer sheet. Otherwise you will be awarded **ZERO** mark.

8. If you wish to change your answer, **ERASE** completely the darkened circle by using an **ERASER** and then blacken the new circle. If not erased completely, smudges will be left on the erased circle and the question will be read as having two answers and will be ignored for giving any credit. (only for pencil users)

9. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.

10. You are not allowed to leave the examination hall until you are advised to do so by the invigilator.

1. Find the difference between the greatest number and the smallest number among

   3209, 6889, 7856, 6389

   (A) 4647   (B) 4640

   (C) 4650   (D) 4645

2. Which of the following is /are correctly matched?

   I : 123 – 123

   II : 725 – 275

   III : 246 – 246

   (A) I only   (B) II and III

   (C) I and III   (D) I, II and III

3. The prime factorization of 2018 is

   (A) 2 X 1009

   (B) 2 X 19 X 53

   (C) 2 X 3 X 7 X 53

   (D) 2 X 3 X 11 X 13 X 17

4. The common factors of 36 and 64 are

   (A) 2, 4, 8   (B) 2, 4

   (C) 1, 2, 4   (D) 1, 2, 4, 18

5. 9543 - 4586 + 2397 =

   (A) 11732   (B) 2560

   (C) 16526   (D) 7354

6. Which of the following is **not** magic square?

   (A)
9	4	5
2	6	10
7	8	3

   (B)
32	27	10
2	23	45
36	19	14

   (C)
21	8	10
2	13	24
16	18	5

   (D)
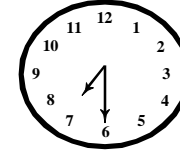 | 10 | 9 | 14 |
   |----|---|----|
   | 15 | 11 | 7 |
   | 8 | 13 | 12 |

7. The sum of two number is 785. When one of the number is divided by 21 leaves 13 as the quotient with remainder 2. Find the other number.

   (A) 510   (B) 275

   (C) 273   (D) 512

8. Simplify : 64 - 48 ÷ 6 X 4 + 8

   (A) 40   (B) 232

   (C) 20   (D) 64

9. The measurement of the region enclosed by a plane figure is called:

   (A) length   (B) breadth

   (C) perimeter   (D) area

SPACE FOR ROUGH WORK

17. Which of the following is **not** correct?
    (A) 1L 30ml = 1030ml
    (B) 3L 25ml = 3025ml
    (C) 2L 75ml = 2075ml
    (D) 3L 50ml = 3500ml

18. Leibakpokpa is the Tatnaba (Inauspicious) day of
    (A) Inga, Mera, Phairen
    (B) Sajibu, Kalen, Langban
    (C) Inga, Hiyangei, Lamda
    (D) Sajibu, Thawan, Poinu

19. Which of the following statement is **not** true?
    (A) A line segment has two end points.
    (B) A line has definite length.
    (C) A plane figure bounded by four line segments is a quadrilateral.
    (D) Diameter is a chord.

20. Tomba worked $\frac{2}{9}$ of the work, and Chaoba work $\frac{8}{18}$ of the work. How much Tomba and Chaoba worked together?
    (A) $\frac{6}{18}$
    (B) $\frac{2}{3}$
    (C) $\frac{10}{19}$
    (D) $\frac{4}{9}$

21. Which of the following pairs of fractions are **not** equivalent fractions?
    (A) $\frac{5}{8}, \frac{20}{32}$
    (B) $\frac{7}{9}, \frac{42}{54}$
    (C) $\frac{16}{18}, \frac{30}{36}$
    (D) $\frac{4}{5}, \frac{28}{35}$

22. Today is 30th September of 2018. Your birthday falls on 2nd November 2018. How many days left to celebrate your birthday?
    (A) 30days
    (B) 31days
    (C) 32days
    (D) 33days

23. In Thangmeiband community Hall, many women do perform a yoga exercise every morning. They start at 5:45am and finished at 7:15am. How long do they exercise?

SPACE FOR ROUGH WORK

41. If the given clock is 15min advance from the actual time, then the correct time after 25 minutes will be:

    (A) 20 min to 8
    (B) 15 min to 8
    (C) 30 min past 7
    (D) 25 min to 8

42. Which one of the following is true?
    (A) 1 mm = $\frac{1}{100}$ m
    (B) 1dm = $\frac{1}{1000}$ m
    (C) 1 cg = $\frac{1}{100}$ g
    (D) 1 Hl = 10l

43. Thoibi needs 5 lemons to make a glass of lemon juice. If Thoibi has 260 lemons, how many glasses of lemon juice can she make?
    (A) 50
    (B) 52
    (C) 54
    (D) 48

44. Consider 63 X (45+2) = 63 X 45 + 63 X 2. This is one of the property of multiplication . The property is known as
    (A) Grouping property of Multiplication.
    (B) Order property of Multiplication.
    (C) Multiplication Property of 0.
    (D) Distribution Property of Multiplication over Addition.

45. Which of the following is true?
    (A) A product of two or more numbers is a factor of each of the number.
    (B) Every multiple of a number is less than the number.
    (C) Factor of a number is less than or equal to the number.
    (D) Any number other than 0, is either a prime or a composite.

46. The numbers of digits that contained in the number system is.
    (A) 9
    (B) 10
    (C) 8
    (D) 100
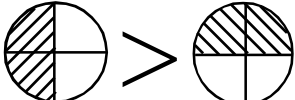
47. Use the picture below to answer the question.

    What fraction of the circles are red?
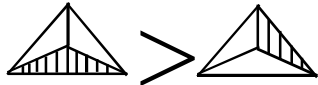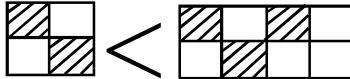
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(A) $\dfrac{1}{4}$ (B) $\dfrac{1}{3}$

(C) $\dfrac{3}{7}$ (D) $\dfrac{3}{4}$

48. Mountain A is 1507m above sea level. Mountain B is 3620m above sea level. How many more feet above sea level is Mountain B than Mountain A?
    (A) 1507m   (B) 2113m
    (C) 3620m   (D) 5127m

49. The Poknapham news agency sold 170902 newspaper is five days. What is this number of newspaper written in word?
    (A) One lakh seventy thousand two.
    (B) One lakh seventy thousand nine hundred two.
    (C) One lakh seventy thousand nine hundred twenty.
    (D) Seventy lakh nine hundred two.

50. I am a factor of every number. Every number other than me has atleast two factors, who am I?
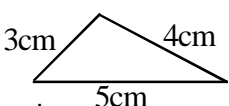   (A) 3   (B) 2
    (C) 1   (D) 0

10. Sanatomba sold a mountain bike for Rs 17430 at a profit of Rs 1500. How much would he has gained if he had sold it for Rs 18500?
    (A) Rs2570   (B) Rs2500
    (C) Rs2600   (D) Rs2430

11. How many hours are there in 1200 minutes?
    (A) 12hr   (B) 20hr
    (C) 18hr   (D) 24hr

12. Which of the following years have 366 days?
    2010, 2012, 2014, 2016, 2018.
    (A) 2010, 2012   (B) 2012, 2014
    (C) 2014, 2018   (D) 2012, 2016

13. Which of the following pairs of figure shows $\dfrac{1}{6} < \dfrac{4}{6}$ with respect to shaded part?

    (A)

    (B)

    (C)

    (D)

14. The lowest term of the fraction $\dfrac{252}{630}$ is
    (A) $\dfrac{126}{315}$ (B) $\dfrac{42}{105}$
    (C) $\dfrac{14}{35}$ (D) $\dfrac{2}{5}$

15. Which of the following letter has no symmetry?
    (A) E   (B) M
    (C) R   (D) X

16. A cycle tyre has a diameter of length 70cm. The radius of the tyre is:
    (A) 140cm   (B) 30cm
    (C) 40cm   (D) 35cm

32. How many two digit prime number are there?
   (A) 21   (B) 22
   (C) 26   (D) 28

33. 28, 42, 56, 84 are all multiples of _____ .
   (A) 12   (B) 3
   (C) 7   (D) 8

34. If 4 and 7 are replaced by zero in the number 21497, what is the digital root of new number?
   (A) 3   (B) 12
   (C) 1   (D) 21090

35. The sum of the smallest and greatest three digit number (without repeating digit) is
   (A) 1110   (B) 1099
   (C) 1100   (D) 1089

36. The number of factors of 36 is
   (A) 9   (B) 8
   (C) 7   (D) 6

37. A man goes to market with Rs1500. He buys 3 shirts and 2 pants. The cost of a shirt is Rs 235 and that of a pant is Rs 300.How much money is left with him now?
   (A) Rs195   (B) Rs965
   (C) Rs535   (D) Rs705

38. How many circles each of diameter 5cm) can be put inside the rectangle of length 45cm and breadth 15cm?
   (A) 40   (B) 35
   (C) 30   (D) 27

39. The given triangle is a/an:

   (A) Scalene triangle
   (B) Isosceles triangle
   (C) Equilateral triangle
   (D) None of the above

40. A bag contains $25\frac{1}{5}$ kg of suger and out of which $10\frac{2}{5}$ kg are sold. The quantity of suger still left in the bag is
   (A) $15\frac{1}{5}$ kg   (B) $14\frac{4}{5}$ kg
   (C) $14\frac{1}{5}$ kg   (D) $14\frac{3}{5}$ kg

SPACE FOR ROUGH WORK

   (A) 1hr 18min   (B) 1hr 10min
   (C) 1hr 45min   (D) 1hr 30min

24. Add : 2362ml, 2530ml and 4720ml.
   (A) 9L 612ml   (B) 8L 612ml
   (C) 9L 512ml   (D) 8L 512ml

25. How many 25-paise coins will get for a 5-rupee coin?
   (A) 20   (B) 25
   (C) 30   (D) 24

26. The product of two number is 44064. If one of the number is 324. Find the sum of the two numbers?
   (A) 450   (B) 440
   (C) 460   (D) 550

27. The three sides of a four sided figure are 4cm, 5cm and 6cm and its perimeter is 24cm. The length of the fourth side is
   (A) 7cm   (B) 6cm
   (C) 8cm   (D) 9cm

28. 98403 is a five digit number. The sum of digits which has greatest and smallest place value is
   (A) 9   (B) 12
   (C) 13   (D) 0

29. In order to simplify an expression of numbers, which of the following rule should be performed
   (A) Division → Addition → Multiplication → Substraction
   (B) Division → Substraction → Multiplication → Addition
   (C) Division → Multiplication → Addition → Substraction
   (D) Multiplication → Division → Substraction → Addition

30. In a school Teacher's Day Celebration, there are 2480 boys and 1396 girls in a school hall. 1026 students left the school hall. How many students remained in the school hall?
   (A) 2850   (B) 4902
   (C) 2110   (D) 2800

31. Which of the following is **not** true?
   (A) 9671 - 5734 = 3937
   (B) 23578 + 41723 - 6509 = 58792
   (C) 2089 + 1098 = 1356 + 1832
   (D) 5436 - 2456 = 4285 - 1305

SPACE FOR ROUGH WORK