OGO
ORANGE GLOBAL OLYMPIAD

School Level Examination
SLE 2023

GRADE 5

MATHEMATICS

Subject Code: | 2 | 0 | 1 |

Total Questions: 30

Time: 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

➤ All questions are compulsory.

➤ Read the instructions on the **ANSWER SHEET** and fill in your **NAME**, **CLASS** and **OTHER INFORMATION**.

➤ To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use an **HB PENCIL** only.

➤ You **MUST** record your answers on the **ANSWER SHEET** only.

➤ There are **30 MULTIPLE CHOICE QUESTIONS**. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** fill in the circle that matches your answer.

➤ Marks are **NOT** deducted for incorrect answers.

➤ Return the **ANSWER SHEET** to the invigilator at the end of the examination.

➤ You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.

MATHEMATICS

This question paper contains a total of 30 questions divided into three sections - A, B and C.
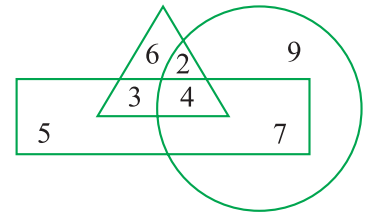
Section A (Logical Reasoning)

1. If 'eye' is called 'hand', 'hand' is called 'mouth', 'mouth' is called 'ear', 'ear' is called 'nose' and 'nose' is called 'tongue', with which of the following would a person smell?

   (A) Eye
   (B) Mouth
   (C) Tongue
   (D) Ear

2. In the given figure, triangle represents healthy people, rectangle represents old people and circle represents men. What is the number of those men who are healthy but not old?

   (A) 2
   (B) 3
   (C) 4
   (D) 6

3. Choose the correct mirror image of the given figure, mirror is being placed to the right of the figure.

   (A)
   (B)
   (C)
   (D)

4. Select the correct set of symbols which will fit in the blanks.

   10 ____ 10 ____ 10 ____ 10 ____ 10 = 10

   (A) ×, ×, −, +
   (B) -, ×, +, ×
   (C) ÷, ×, −, +
   (D) +, ×, ÷, +

5. Saransh is 12th from the right end in a row of 30 boys. If the first two boys from the left end leave the row, then what is Saransh's position from the left end?
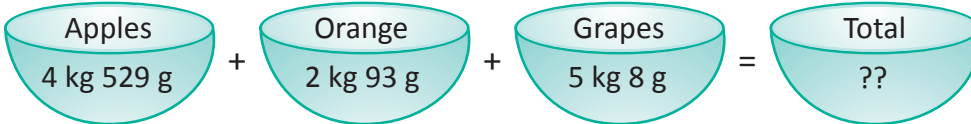
   (A) 18
   (B) 12
   (C) 16
   (D) 17

6. Parth writes a 7-digit number using only one odd digit lying between 3 and 7. What will be the predecessor of the number thus formed?

   (A) Fifty- four lakh fifty-five thousand five hundred fifty–five

   (B) Fifty-five lakh fifty-four thousand five hundred fifty–five

   (C) Fifty-five lakh fifty-five thousand five hundred fifty–four

   (D) Fifty- five lakh fifty-five thousand five hundred fifty–six

7. Which of the given Roman numerals represent the respective same numbers in the Hindu Arabic numerals?

   (i) DCLV = 655   (ii) XLVI = 46

   (iii) MDCL = 1560   (iv) XLVVI = 51

   (A) (i) and (iii)   (B) (i) and (ii)

   (C) (ii) and (iv)   (D) (iii) and (iv)

8. If the greatest 6-digit number is divided by the greatest 2-digit number, then quotient is _____.

   (A) 1,010   (B) 1,001

   (C) 10,101   (D) 10,011

9. In a subtraction problem, if subtrahend is five hundred million four thousand thirty and the difference is forty thousand less than three lakh sixty-seven thousand, then the minuend is _____.

   (A) 50,00,000 + 3,00,000 + 70,000 + 1,000 + 30

   (B) 40,00,00,000 + 9,00,00,000 + 90,00,000 + 6,00,000 + 70,000 + 7,000 + 30

   (C) 50,00,00,000 + 3,00,000 + 30,000 + 1,000 + 30

   (D) 40,00,000 + 6,00,000 + 30,000 + 6,000 + 700 + 30

10. If the LCM of 33 and 115 is 3795, then find their HCF.

    (A) 27   (B) 5

    (C) 3   (D) 1

11. Find the sum: $108\frac{1}{5} + 108\frac{2}{5} + 108\frac{3}{5} + 108\frac{4}{5}$

    (A) 216   (B) 110

    (C) 434   (D) 542

12. Arrange $\frac{3}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{7}{16}$ in ascending order.

   (A) $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{7}{16}$
            (B) $\frac{1}{4}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$

   (C) $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{7}{16}$
            (D) $\frac{7}{16}$, $\frac{3}{8}$, $\frac{1}{4}$, $\frac{1}{2}$

13.
Apples		Orange		Grapes		Total
4 kg 529 g	+	2 kg 93 g	+	5 kg 8 g	=	??

   (A) 11.63 kg
            (B) 10.983 kg

   (C) 10.88 kg
            (D) 10.732 kg

14. 793 kg of cardamom is packed equally into 1000 packets. What is the mass of each packet of cardamom?

   (A) 7.93 kg
            (B) 79.3 kg

   (C) 0.793 kg
            (D) 0.0793 kg

15. The given figure shows a book rack. How many books of same thickness can be arranged on the rack if each book is 80 mm thick?

4 m

   (A) 8 books
            (B) 32 books

   (C) 48 books
            (D) 50 books

16. 29.16 m cloth is needed to make 12 shirts. How much cloth will be needed to make 21 shirts?

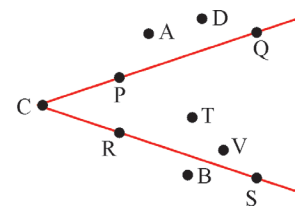   (A) 48.45 m
            (B) 49.81 m

   (C) 50.96 m
            (D) 51.03 m

17. A train runs from Ahmedabad to Abu station at 50 km per hour speed. The distance between two stations is 200 km. How much time would it take to reach at Abu station, if it takes 10 minutes halt at each of three stations before reaching Abu?

    (A) 4 hours

    (B) $4\frac{1}{6}$ hours
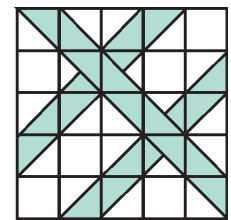
    (C) 4.25 hours

    (D) 4.5 hours

18. Tanu is 15 years 9 months old and her brother Ankit is 9 years 11 months old. Find the difference of their ages.

    (A) 5 years 2 months

    (B) 5 years 10 months

    (C) 6 years 2 months

    (D) 6 years 10 months

19. Which of the given points lies in the interior of given figure?
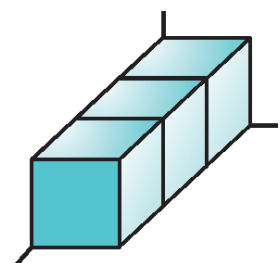
    (A) T

    (B) A

    (C) C

    (D) S

20. A rectangle has _____ sides and _____ diagonals.

    (A) 4, 2

    (B) 4, 3

    (C) 5, 3

    (D) 5, 2

21. What fraction of the total area is shaded in the given figure?

    (A) $\frac{22}{50}$

    (B) $\frac{23}{50}$

    (C) $\frac{21}{50}$

    (D) $\frac{11}{25}$

22. A rectangle has a perimeter of 72 cm. Its length is 4 cm longer than its breadth. Find the measure of its length.

    (A) 12 cm

    (B) 16 cm

    (C) 18 cm

    (D) 20 cm

23. 3 identical cubes are joined to form a cuboid as shown. If the volume of the one cube is 64 cm^3, find the volume of the cuboid.

    (A) 192 cm^3

    (B) 184 cm^3

    (C) 176 cm^3

    (D) 164 cm^3

24. What kind of symmetry does a square have?

    (A) Horizontal line of symmetry

    (B) Vertical line of symmetry

    (C) Rotational symmetry of the order 4

    (D) All of these

25. Which of the following figures has rotational symmetry of order 3?

    (A)

    (B)

    (C)

    (D)

Section C (Competency Enhancement)

26. On some day, factory A produces 412250 tea bags, factory B produces 334278 tea bags, factory C produces 424358 tea bags and factory D produces 345896 tea bags. Which factory produces the greatest number of tea bags on that day?

    (A) Factory A   (B) Factory B

    (C) Factory C   (D) Factory D

27. 5,946 tickets were sold on Friday and 5,887 tickets on Saturday. Which of the following is correct as per the given statement?

    (A) 5946 > 5887   (B) 5946 = 5887

    (C) 5946 < 5887   (D) None of these

28. The product of two numbers is 21,600. If one of the numbers is 45, find the other.

    (A) 720   (B) 480

    (C) 240   (D) 120

29. A few boys were playing number counting game in the park. They counted all their fingers (excluding thumbs). Then they counted all their ears and found that altogether they had 30 more fingers than ears. Guess the number of boys playing in the garden.

(A) 4   (B) 5

(C) 6   (D) 10

30. The minimum number of squares that must be shaded, so that the given figure has a line of symmetry is _____.

(A) 1   (B) 2

(C) 3   (D) 0