

# 6 CLASS



**GCS OLYMPIADS**  
*Olympiads of the New Millennium*  
An ISO 9001:2015 Certified Organization

Duration : 60 Min.  
Total Ques. : 50  
Paper Type : M 1

## GLOBAL MATHS OLYMPIAD (GMO)

- 1- The Actual Question Paper Contains 50 Questions. Section A Contains 45 Ques. and Section B Contains 5 Ques. (Reasoning & Mental Ability) . Each questions carry an equal marks of 2 .
- 2- The Duration of the Test Paper is 60 Minutes.
- 3- OMR answer sheets are there for class 6.

### Section - A (Maths)

#### 1. Which of the following operations satisfies the associative law for whole numbers?

- (A) Subtraction and division
- (B) Subtraction and multiplication
- (C) Division and multiplication
- (D) Addition and multiplication
- (E) None of these

#### 2. Which of the following statements is true?

- (A) Every whole number is a natural number
- (B) Every natural number is a whole number
- (C) 1 is the least whole number
- (D) 99 is the largest whole number
- (E) None of these

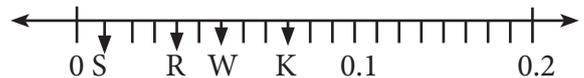
#### 3. John's monthly salary is ₹ 12000. He spends ₹ 1450 for his son's education, ₹ 550 for purchasing lothes, ₹ 450 for purchasing vegetables, milk, etc, ₹ 1500 for purchasing medicine and pays a rent of ₹ 5000 in a particular month. How much does he save in this month?

- (A) ₹ 4255
- (B) ₹ 4960
- (C) ₹ 3165
- (D) ₹ 3050
- (E) None of these

#### 4. Subtract the number obtained by reversing the digits on the number 20198 from the number obtained by interchanging the digits in the unit's place and the hundred's place of the same number, we get \_\_\_\_\_

- (A) -68211
- (B) 68004
- (C) -68229
- (D) 77121
- (E) None of these

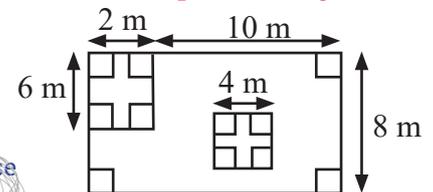
#### 5. Which point on the following number line represents 0.075 ?



- (A) S
- (B) R
- (C) W
- (D) K
- (E) None of these

#### 6. Find the area of the unshaded part of the given figure.

- (A) 45 sq. cm
- (B) 52 sq. cm
- (C) 68 sq. cm
- (D) 78sq. cm
- (E) None of these



#### 7. A 6-digit number is multiplied by another 6-digit number. The maximum number of digits that the product can have is

- (A) 10
- (B) 11
- (C) 12
- (D) 13
- (E) None of these

#### 8. On a new years day each of 25 friends presented a sum of Rs 25 to each other. The total amount of money presented was \_\_\_\_\_

- (A) ₹ (25 × 24)
- (B) ₹ (25 × 25 × 24)
- (C) ₹ (25 × 24 × 24)
- (D) ₹ (24 × 24 × 24)
- (E) None of these

#### 9. In a cricket match, B scored 25 runs more than A. C scored 35 runs more than A. If their total score was 75 A's score was \_\_\_\_\_.

- (A) 0
- (B) 5
- (C) 10
- (D) 75
- (E) None of these

10. HCF of two co-prime numbers is \_\_\_\_\_.

- (A) 1 (B) 0  
(C) 2 (D) 4  
(E) None of these

11. If 5476a is divisible by 3, then what decreased by 9 is exactly divisible by 12, 16, 24, and 48 is \_\_\_\_\_.

- (A) 1 (B) 2  
(C) 3 (D) 6  
(E) None of these

12. There are 153 apples and 119 oranges. These fruits are to be arranged in heaps containing the same number of fruits. Then the greatest number of fruits possible in each heap is \_\_\_\_\_.

- (A) 15 (B) 23  
(C) 17 (D) 20  
(E) None of these

13. Two tankers contain 850 litres and 680 litres of kerosene oil respectively, then the maximum capacity of a container which can measure the kerosene out of both the tankers when used an exact number of times is \_\_\_\_\_.

- (A) 170 litres (B) 85 litres  
(C) 34 litres (D) 10 litres  
(E) None of these

14. On a certain day at a certain time in Ladakh, the temperature was  $-25^{\circ}\text{C}$ . On the same day at the same time, the temperature in Kolkata was  $25^{\circ}\text{C}$ . What is the difference between these two temperatures?

- (A)  $-50^{\circ}\text{C}$  (B)  $50^{\circ}\text{C}$   
(C)  $0^{\circ}\text{C}$  (D)  $40^{\circ}\text{C}$   
(E) None of these

15. If a withdrawal of ₹ 1250 is written as  $-\text{₹}1250$ , then a deposit of ₹ 1250 should be written as

- (A) ₹ 0  
(B) ₹ 150  
(C) ₹ + 1250  
(D) + ₹ 1250  
(E) None of these

16. A wall is made up of bricks and cement. If five-sixth of height of the wall is made up of bricks then what part of height of the wall is covered with cement

- (A) Two-fifth  
(B) Two-seventh  
(C) One -sixth  
(D) One-seventh  
(E) None of these

### Section - B (Logical Reasoning)

Fill in the blanks to complete this series.



- (A) (B)   
(C) (D)   
(E) None of these

18. By following a certain logic MTUXTRVN is written as NUVXTQUM. How is ASUMNJKL written in that logic ?

- (A) BTVMNIJK (B) BTVMNKLM  
(C) BTVNMIJK (D) ZRTMNIJK  
(E) None of these

19. Pointing to a woman in the picture, Varun said, "Her mother has only one grandchild whose mother is my wife." How is the woman in the picture related to Varun if this woman is the only child of her parents?

- (A) Cousin (B) Wife  
(C) Sister (D) Data inadequate  
(E) None of these