



An ISO 9001:2015 Certified Organization

GLOBAL COMPETITION SOCIETY

7
CLASS

Duration : 60 Min.

Total Ques. : 50

Paper Type : M 1

SAMPLE Q.P : GLOBAL MATHS OLYMPIAD (GMO)

1. The Actual Question Paper Contains 50 Questions.
2. Each question carry an equal marks of 2 against 50 question
3. The Duration of the Test Paper is 60 Minutes

1. **A monkey jumps up 5 m every minute on a 60 m minar and then slips 2 m over the next minute.**

How many minutes will it take to climb the minar ?

- (A) 20 minutes (B) 39 minutes
(C) 60 minutes (D) 30 minutes
(E) None of these

2. **If A : rational numbers are always closed under division and R : division by zero is not defined, then**

- (A) A is true and R is the correct explanation of A
(B) A is false and R is false
(C) A is true and R is false
(D) A is false and R is true
(E) None of these

3. **For any two rational numbers x and y which of the following are correct, if x is positive and y is negative ?**

(1) $x < y$ (2) $x = y$

(3) $x > y$

- (A) Only 1 and 2 are correct
(B) Only 2 and 3 are correct
(C) Only 3 is correct
(D) All 1, 2 and 3 are correct
(E) None of these

4. **A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol ?**

- (A) 15 km (B) 16 km
(C) 17 km (D) 18 km
(E) None of these

5. **Tom studies for $5\frac{1}{4}$ hours daily. He devotes $2\frac{3}{4}$**

hours of his time for English and Mathematics. How much time does he devote for other subjects ?

(A) $2\frac{1}{2}$ hrs (B) 8 hrs

(C) $\frac{1}{2}$ hr (D) 1 hr

- (E) None of these

6. **A shopkeeper sold 19.750 kg of sugar on a day. On the next day he sold 36.250 kg of sugar. On the third day he sold 45.500 kg of sugar. How much of sugar in all did the shopkeeper sell ?**

- (A) 100 kg (B) 101 kg
(C) 101.500 kg (D) 102.500 kg
(E) None of these

7. **Lipika purchased a note book for ` 21.75, a pencil for ` 1.85 and a pen for ` 18.90. She gave a 50 rupee note to the shopkeeper. The amount she got back is _____ .**

- (A) ₹ 7.50 (B) ₹ 42.50
(C) ₹ 45.50 (D) ₹ 92.50
(E) None of these

8. **$14.3 + 16.78 - \square = 9.009$. Then \square mark should be replaced by _____ .**

- (A) 40.089 (B) 22.071
(C) 21.810 (D) 21.071
(E) None of these

9. An expression is taken away from $3x^2 - 4y^2 + 5xy + 20$ to obtain $-x^2 - y^2 + 6xy + 20$, then the expression is _____.

- (A) $4x^2 - 3y^2 - xy$ (B) $2x^2 - 5y^2 + xy + 40$
 (C) $3y^2 - xy - 4x^2$ (D) $4x^2 + 3y^2 + xy$
 (E) None of these

10. Addition of $2\frac{2m}{3} - \frac{5m^2}{3} + \frac{5m^3}{2}, -\frac{4}{3} + \frac{2m^2}{3} - \frac{m}{2}, \frac{5m^3}{3} + 3m^2 + 3m + \frac{6}{5}$ is _____.

- (A) $\frac{32}{15} + \frac{25}{6}m + \frac{11}{3}m^2 + \frac{25}{6}m^3$
 (B) $\frac{8}{5} + \frac{19}{6}m + \frac{16}{3}m^2 - \frac{25}{6}m^3$
 (C) $\frac{28}{15} + \frac{19}{6}m + 2m^2 + \frac{25}{6}m^3$
 (D) $\frac{68}{15} - \frac{19}{6}m + 2m^2 + \frac{5}{6}m^3$
 (E) None of these

11. What is the excess of $2x^3 - 3x^2y - 5xy^2 + 7y^3$ over $3x^3 + 2x^2y - 3xy^2 - 8y^3$?

- (A) $-x^3 - 5x^2y - 2xy^2 + 15y^3$
 (B) $5x^3 - x^2y - 8xy^2 - y^3$
 (C) $x^3 + 5x^2y + 2xy^2 - 15y^3$
 (D) $-x^3 + 5x^2y + 2xy^2 - 15y^3$
 (E) None of these

12. Two men X and Y start from a place P, walking at 3km/ph and 4 km/ph. By how much distance apart they will be after 4 hours if they are walking in the same direction.

- (A) 4km (B) 3km
 (C) 2km (D) 1km
 (E) None of these

13. When an amount was distributed among 14 boys, each of them got ₹ 80 more than the amount received by each boy when the same amount is distributed equally among 18 boys. What was the amount?

- (A) ₹ 5040 (B) ₹ 5820
 (C) ₹ 5802 (D) ₹ 3920
 (E) None of these

14. The ages of A and B are in the ratio 5 : 3. After 6 years, their ages will be in the ratio 7 : 5. The sum of their present ages is _____.

- (A) 9 years (B) 10 years
 (C) 15 years (D) 24 years
 (E) None of these

15. There are some lotus flowers in a pond and some bees are hovering around. If one bee lands on each flower, one bee will be left. If two bees land on each flower, one flower will be left. Then the number of flowers and bees respectively are _____.

- (A) 3, 4
 (B) 4, 3
 (C) 2, 3
 (D) 3, 2
 (E) None of these

16. The value of x in $\frac{3}{4}(7x - 1) - \left(2x - \frac{1-x}{2}\right) = x + \frac{3}{2}$ is _____.

- (A) 2 (B) 3
 (C) 1 (D) 0
 (E) None of these

17. A student has to secure 35% marks to pass. He got 80 marks and failed by 60 marks. The maximum marks are _____.

- (A) 100 (B) 200
 (C) 300 (D) 400
 (E) None of these

18. If two-third of a number, half of the same number and one-seventh of same number is added to itself, the result is 37. The number is _____.

- (A) $14\frac{2}{97}$ (B) $16\frac{2}{97}$
 (C) $18\frac{2}{97}$ (D) $15\frac{2}{97}$
 (E) None of these

19. Addition of rational numbers does not satisfy which of the following property?

- (A) Closure property (B) Commutativity
 (C) Associativity (D) All of the above
 (E) None of these

20. Name the property of multiplication of rational numbers illustrated by the statement :

$$\frac{7}{4} \times \left(\frac{-8}{3} + \frac{-13}{12} \right) = \frac{7}{4} \times \frac{-8}{3} + \frac{7}{4} \times \frac{-13}{12}$$

- (A) Distributivity of multiplication over addition
 (B) Associativity of multiplication
 (C) Existence of identity for multiplication
 (D) Existence of multiplication inverse
 (E) None of these