



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

Duration : 60 Min.

Total Ques. : 50

Paper Type : M1

7
CLASS

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 7.

Section - A (Maths)

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. $14.3 + 16.78 - \boxed{?} = 9.009$. Then $\boxed{?}$ 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

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) 1 km
 (E) None of these

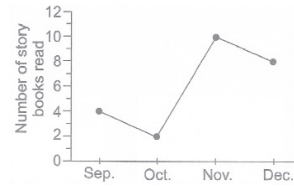
13. When an amount was distributed among 14 boys, each of them got ₹ 80 more than the amount received by each boy when the same amount is distributed equally among 18 boys. What was the amount ?

- (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. The line graph shows the number of storybooks Armaan read in the last 4 months of a year.

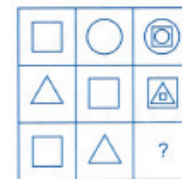






The number of storybooks that he read in October as a fraction of the total number of storybooks read is

- (A) $\frac{1}{12}$ (B) $\frac{3}{4}$
 (C) $\frac{1}{2}$ (D) $\frac{5}{12}$
 (E) None of these

Section - B (Logical Reasoning)

16. Which of the following options will complete the figure matrix?



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

17. Neeta who is the sister-in-law of Anshu, is the daughter-in-law of Riya. Neejar is the father of Abhishek who is the only brother of Anshu. How is Neeta related to Abhishek if Neeraj and Riya are a married couple?

- (A) mother-in-law (B) Aunt
 (C) Wife (D) Both B & C
 (E) None of these

18. A cat runs 20 m towards East, turns right and runs 10m. She then turns right and runs 9m. She again turns left and runs 5 m and then turns left and runs 12 m. Finally she turns left and runs 6m. Now which direction is the cat facing?

- (A) East (B) North
 (C) West (D) North-East
 (E) None of these