

## **TGT Mathematics**

Q 1). In June 2025, at which of the following places Shri Amit Shah has inaugurated the National Turmeric Board headquarters?

- (A) Nizamabad, Telangana
- (B) Meerut, Uttar Pradesh
- (C) Indore, Madhya Pradesh
- (D) Raipur, Chhattisgarh

Correct Answer: (A)

Q 2). The World Health Organization (WHO) has recently praised India for

- (A) Launching the first AI-Powered vaccine distribution network.
- (B) Creating a global database of all herbal medicines used in India.
- (C) Using Artificial Intelligence (AI) to modernize traditional medicine.
- (D) Implementing nationwide AI automated hospital administration.

Correct Answer: (C)

Q 3). The World Games 2025 took place in which country in August 2025?

- (A) India
- (B) China
- (C) Brazil
- (D) USA

Correct Answer: (B)

Q 4). PPT with pictures and description is which type of teaching aid?

- (A) Audio
- (B) Visual
- (C) Audio-Visual
- (D) Non-Projected

Correct Answer: (B)

Q 5). Which of the following is an example of positive reinforcement as per child psychology?

- (A) Giving a child a time-out for misbehavior
- (B) Praising a child for completing homework
- (C) Removing TV privileges for poor grades
- (D) Ignoring a child's tantrum

Correct Answer: (B)

Q 6). As per NEP 2020, what is the proposed bagless period for students in Grades 6-8 in a year?

- (A) 5 days
- (B) 10 days
- (C) 15 days
- (D) 20 days

Correct Answer: (B)

Q 7). Which of the following is a linear expression?

- (A)  $x^2 + 3$
- (B)  $y^2 + y + 1$
- (C) 4
- (D)  $1 + z$

Correct Answer: (D)

Q 8). The amount of region enclosed by a plane closed figure is called its \_\_\_\_\_.

- (A) Perimeter
- (B) Area
- (C) Volume
- (D) Circumference

Correct Answer: (B)

Q 9). The sum of smallest prime number and smallest composite number is \_\_\_\_\_.

- (A) 5
- (B) 6
- (C) 4
- (D) 3

Correct Answer: (B)

Q 10). Yash is carrying 100 hundred-rupee notes, 50 fifty-rupee notes, 20 twenty-rupee notes, 10 ten-rupee notes and 5 five-rupee notes. The total amount of money he is carrying in Rupee, is \_\_\_\_\_.

- (A) 11025
- (B) 13525
- (C) 120525
- (D) 13025

Correct Answer: (D)

Q 11). The ratio 3 : 8 is equal to \_\_\_\_\_.

- (A) 3.75%
- (B) 37.5%
- (C) 0.375%
- (D) 267%

Correct Answer: (B)

Q 12). A bag contains 24 balls of which  $x$  are red,  $2x$  are white and  $3x$  are blue. A ball is selected at random. What is the probability that it is not red?

- (A)  $\frac{8}{24}$
- (B)  $\frac{12}{24}$
- (C)  $\frac{5}{6}$
- (D)  $\frac{16}{24}$

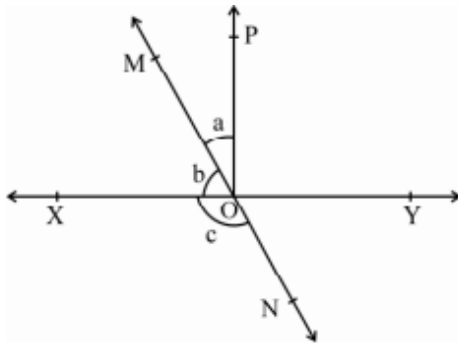
Correct Answer: (C)

Q 13). The value of  $(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 4^{-1})^{-1}$  is \_\_\_\_\_.

- (A) 44
- (B) 56
- (C) 12
- (D) 68

Correct Answer: (A)

Q 14). In the given figure, the lines XY and MN intersect at point O. If  $\angle POY = 90^\circ$  and  $a : b = 2 : 3$ , then the value of  $\angle c$  will be \_\_\_\_\_.



- (A)  $90^\circ$
- (B)  $126^\circ$
- (C)  $144^\circ$
- (D)  $150^\circ$

Correct Answer: (B)

Q 15). If the median of the data 30, 8, 7, 3, 17, 15, 21, 25, 28, 23 is x and the median of the data obtained by replacing 3 by 33 and 8 by 18 in the above data is y, then what is the difference between y and x?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Correct Answer: (C)

Q 16).  $\int_{-4}^4 (x^3 + x) dx$  is \_\_\_\_\_.

- (A) 0
- (B) 12
- (C) 24
- (D) 48

Correct Answer: (A)

Q 17). The area of a rectangular field is 1600sqm. If the length of the field is 80m, find the perimeter of the field.

- (A) 100 m
- (B) 6400 m
- (C) 200 m
- (D) 20 m

Correct Answer: (C)

Q 18). Remainder when  $(27)^{99}$  is divided by 7 is \_\_\_\_\_.

- (A) 4
- (B) 6
- (C) 5
- (D) 3

Correct Answer: (B)

Q 19). 6 letters can be mailed, if 3 mail boxes be available, in how many ways?

- (A) 15 ways
- (B) 12 ways
- (C) 729 ways
- (D) 51 ways

Correct Answer: (C)

Q 20). If  $U = \{x: x \in N \text{ and } x \leq 10\}$ ,  $A = \{x: x \text{ is prime}\}$ ,  $B = \{x: x \text{ is a factor of } 24\}$  then  $A - B$  is \_\_\_\_\_.

- (A)  $\{5, 7\}$
- (B)  $\{9, 10\}$
- (C)  $\{5, 7, 9, 10\}$
- (D)  $\{1, 4, 5, 6, 7, 8, 9, 10\}$

Correct Answer: (A)

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