

NAT I Arts Quantitative

Sr	Questions	Answers Choice
1	12 is $\frac{3}{4}$ of what number ?	A. 20 B. 24 C. 16 D. 8
2	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. $5x^2-3x+4$ B. $3x-2x^2-4$ C. $x^2+8x+10$ D. $11x^2+3x+10$
3	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. $21 \frac{7}{8}$ C. 1.47 D. 31.7
4		A. a B. $90-a$ C. $180-a/2$ D. $180-a$
5	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
6	If $x\%$ of 60 = 48, then $x = ?$	A. 80 B. 60 C. 90 D. 40
7	If $abc = 2$ and $a = c$ then $b =$	A. a^2 B. $\frac{1}{2a}$ C. $\frac{2}{a^2}$ D. $2-a^2$
8	$(580 \times 12) - (645 \times 5) / 50 \times 10 = ?$	A. 7.47 B. 3725 C. 74.7 D. 4450
9	$1764 \div 17.64 / 0.5$	A. 100 B. 20 C. 0.2 D. 200
10	In a school there are 400 students, of whom 70% are boys: what is the number of girls ?	A. 120 B. 200 C. 280 D. 2800
11	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
12	If you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans ?	A. 12 B. 13 C. 16 D. 17
13	If $x + 3y = 7$ and $2x + y = 5$ then value x/y is?	A. $\frac{1}{2}$ B. $\frac{1}{3}$ C. $\frac{2}{5}$ D. $\frac{8}{9}$
14	The average of x, y, z and 40 is 10. What is the average of $x, y,$ and z .	A. 10 B. 0 C. 2 D. 15
15	A man opens a bookstall with a capital of Rs. 25000. In three month his capital amounts to rupees 27500. What is the increase percent ?	A. 1% B. 10% C. 20% D. 7%

16	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^3 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
17	$x\sqrt{0.09} = 3$: $x = ?$	A. 10 B. $\frac{1}{3}$ C. $\frac{1}{10}$ D. 1
18	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75% D. 400%
19	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
20	$Ay - b = c - dy$ what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. $\frac{38}{2}$ C. $\frac{38}{3}$ D. $\frac{38}{5}$