

NAT I Arts Quantitative

Sr	Questions	Answers Choice
1	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
2	Find the ratio of 18 inches to 2 yards.	
3	$0.007 \div \sqrt{0.000049}$	A. 1 B. 0.0049 C. 2 D. 7
4	If p is a negative integer and $P^2 + 11p = t$, a value of t could be	A. 12 B. 18 C. -18 D. 11
5	If it takes 10 minutes to walk $\frac{3}{7}$ mile, how many minutes will it take to walk the rest of the mile ?	A. $2\frac{1}{3}$ B. $13\frac{1}{3}$ C. $4\frac{2}{7}$ D. 30
6	$Z + \frac{1}{Z} = 2$; $Z = ?$	A. 2 B. 1 C. $\frac{1}{2}$ D. $1\frac{1}{2}$
7	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
8	$Ay - b = c$, dy what is 'y' in terms of 'a', 'b' and 'c'?	A. $\frac{(c+b)}{(a+d)}$ B. $\frac{(c-b)}{(a+d)}$ C. $\frac{(c-b)}{(a+d)}$ D. $\frac{(c+b)}{(a-d)}$
9	Question Image	A. 55 B. 70 C. 110 D. 125
10	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
11	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2x^2y^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
12	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence?	A. 20 B. 400 C. 2000 D. 1000
13	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
14	$\sqrt{256} \div \sqrt{64} = ?$	A. $\frac{1}{4}$ B. $\frac{26}{8}$ C. 16 D. 4
15	A and B can do a job in 6 day. If A do the job alone he takes 10 days. What will be the time required by B to complete the job alone ?	A. 8 B. 6 C. 15 D. 12

16	Find the value of x if $3 : b = x : c$.	
17	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
18	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
19	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y+z) / (y-z)$ B. $yz / (y+z)$ C. $(y+z) / yz$ D. $1/z - 1/y$
20	How many miles are there between two cities if the distance is represented by a 2.4-inch line on a map having a scale of 1 inch to 8 miles ?	A. 19.2 B. 12.8 C. 8.5 D. 38