

## 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	$Z + 1/Z = 2$ ; $Z = ?$	A. 2 B. 1 C. 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. $(c+b) / (a+d)$ B. $(c-b) / (a+d)$ C. $(c-b) / (a+d)$ D. $(c+b) / (a-d)$
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. $2x^2y^3 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ 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. 1/4 B. 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. 2

16 Find the value of  $x$  if  $3 : b = x : c$ .  
A. 66  
B. 52  
C. 41  
D. 29

17 Which of the following is the sum of two consecutive prime numbers?  
A. 0.222  
B. 0.842  
C. 2  
D. None

18  $1.02 - 0.02 + ? = 1.842$   
A.  $(y+z) / (y-z)$   
B.  $yz / (y+z)$   
C.  $(y+z) / yz$   
D.  $1/z-1/y$

19  $1/x = 1/y + 1/z$  then ' $x$ ' in terms of ' $y$ ' and ' $z$ ' is given by?  
A. 19.2  
B. 12.8  
C. 8.5  
D. 38

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 ?