

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
2	The value of $\{0.5^4 - 0.4^4\} / \{0.5^2 + 0.4^2\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
3	If $(x+1/x)^2=96$ what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90
4	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
5	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
6	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
7	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
8	If $a^2 - b^2 = 36$ and $a-b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. 3/2
9	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. x^2+y^2 C. $4xy$ D. $-4xy$
10	Find the value of x if $3:b=x:c$.	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
11	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
12	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours ?	A. 8000 B. 9000 C. 300 D. 900
13	If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
14	If $(p-3)(p+4) > (p-3)(p+8)$, what is the best description of p?	A. $p=3$ B. $-8 < p < -5$ C. $p = \{ \}$ D. $p < 3$
15	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. $576/5x$

16	Find the sum of money, 11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000
17	If Myra had bowling scores of $b + 6$, $b - 2$, $b + 4$, and $b - 5$, what must she score in the next game to get an overall average of $b + 2$?	A. $b + 7$ B. $b - 3$ C. $b + 3$ D. $b - 7$
18	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
19	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. $a+1/10b+1/100c$ C. $10a+b+c$ D. $10a+b+c/10$
20	If a train travels $5/6$ miles in $1\ 1/4$ minutes, how many miles will it travel in 1 hour?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles