

NAT II Arts & Humanities Quantitative

Sr	Questions	Answers Choice
1	If $a^2 - b^2$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
2	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
3	The value of $\{0.54 - 0.44\} / \{0.52 - 0.42\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
4	If $(x + 1/x)^2 = 96$ what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90
5	$? \times 12 = 75\% \text{ of } 336$	A. 48 B. 252 C. 28 D. 21
6	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
7	Question Image	A. 1.425 B. 1.585 C. 1.330 D. 0.750 E. 1.750
8	What is the percent profit made on the sale of 1000 shares of stock bought at Rs. 10 per share and sold at Rs. 12 per share?	A. 2% B. 0.2% C. 25% D. 20% E. 41%
9	$72 + 679 + 1439 + 537 + ? = 4036$	A. 1309 B. 1208 C. 2308 D. 2423
10	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day?	A. 50 B. 95 C. 84 D. 74
11	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
12	What part of an hour elapses between 10:45 a.m. and 11:09 a.m.?	A. 2/5 B. 3/5 C. 11/12 D. 2
13	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
14	$12\% \text{ of } x = 360$	A. 250 B. 100 C. 400 D. 3000
15	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section?	A. 2/5 B. 3/7 C. 2/3

16 $3/4$ of 432 = ?

- A. 340
B. 232
C. 324
D. 316

17 $.007 \div \underline{.000049}$

- A. 1**
B. .0049
C. 2
D. 7

18 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

19 If $x\%$ of 60 = 48, then x = ?

- A. 80**
B. 60
C. 90
D. 40

20 A team played 30 games of which it won. What part of the games played did it loss?

- A. 1/5**
B. 5/6
C. 6/5
D. 5