

## NAT II Biological Science Quantitative

Sr	Questions	Answers Choice
1	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
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	If $p = 2$ , then $3p + (p^3)^2 =$	A. 18 B. 45 C. 42 D. 70 E. 73
4	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
5	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed below to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
6	$.007 \div \sqrt{.000049}$	A. 1 B. .0049 C. 2 D. 7
7	If a man's weekly salary is \$X and saves \$Y. What part of his weekly salary does he spend?	A. X/Y B. X-Y/X C. Y-X/X D. x-y
8	$x^2 = 1681$ , $x = ?$	A. 31 B. 41 C. 51 D. 61
9	David receives his allowance on Sunday. He spends 1/4 of his allowance on Monday and 2/3 of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. 2/3 B. 4/5 C. 6/7 D. 1/4
10	12 is 3/4 of what number?	A. 20 B. 24 C. 16 D. 8
11	A and B can do in 6 days. If A does 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. 3
12	$Ay - b = c - dy$ what is 'y' in term of 'a', 'b' and 'c'?	A. $(c + b)/(a + d)$ B. $(c - b)/(a + d)$ C. $(c - b)/(a - d)$ D. $(c + b)/(a - d)$
13	$(242 - 17)^2 - (7 - 5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
14	The value of $x^2 + 5x + 6$ at $x = 2$ is?	A. 10 B. 14 C. 18 D. 20
15	$816 - 288 \div = 24 ?$	A. 22 B. 828 C. 528 D. 828

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16 12% of  $x = 360$

- A. 250  
B. 100  
C. 400  
D. 3000

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17  $\frac{1}{2}$  of  $44 \div 2.2 = ?$

- A. 20  
B. 22  
C. 44  
D. 100

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18 What is the number, 5% of which is 10?

- A. 200  
B. 100  
C. 50  
D. 10

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19  $(x + y)^2 = 25$  and  $x^2 + y^2 = 13$  then  $xy$  is equal to?

- A. 16  
B. 20  
C. 18  
D. 6

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

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