NAT II Biological Science Quantitative

Sr	Questions	Answers Choice
1	$0.027 \div 90 = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003
2	If a man's weekly salary is $X and saves $Y. What part of his weekly salry does he spend?	A. X/Y B. X-Y/X C. Y-X/X D. x-y
3	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. $11x^2 - 3x + 10$
4	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
5	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
6	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 D. 1/13
7	12 is 3/4 of what number?	A. 20 B. 24 C. 16 D. 8
8	The value of $(x + y)^2 + (x - y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. 4xy D. -4xy
9	Successive discounts of 10% and 15% is equivalent to a single discount of	A. 24% B. 24.5% C. 23.5% D. 22% E. 25%
10	$2.08 - (0.5)^2 = ?$	A. -1.20 B. 1.88 C. 1.83 D. 2.16
11	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
12	$x^2 = 1681$, x = ?	A. 31 B. 41 C. 51 D. 61
13	$2/3 \times 12 =$	A. 4 B. 6 C. 8 D. 10 E. 18
14	What is the number, 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
15	The value of $(x + y)^2 - (x - y)^2$ is?	A. 4 B. $(x^2 + y^2$ C. 4xy

		D. -4xy
16	x + y = 17 and x = 2 then value of y?	A. 13 B. 15 C. 19 D. 10
17	The value of {0.54- 0.44} / {0.52- 0.42} is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
18	If the ratio of x : y is 9 : 7, then x + y is	A. 16 B. 2 C. 1 D. None of the above
19	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
20	The average (arithmetic mean) of 8a + 5, -3a, 9, 0 and 7a - 2?	A. 3a + 1 B. 3a + 3 C. 4a + 1 D. 4a + 4 E. 12a + 12