

## NAT II Biological Science Quantitative

Sr	Questions	Answers Choice
1	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. $(c + b)/(a - d)$
2	Find the sum of money, 11% of which is Rs. 1650.	A. 150 B. 3300 C. 25000 D. 15000
3	12 is $\frac{3}{4}$ of what number?	A. 20 B. 24 C. 16 D. 8
4	A team played 30 games of which it won. What part of the games played did it loss?	A. $\frac{1}{5}$ B. $\frac{5}{6}$ C. $\frac{6}{5}$ D. 5
5	$x\sqrt{0.09} = 3$ ; x = ?	A. 10 B. $\frac{1}{3}$ C. $\frac{1}{10}$ D. 1
6	A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase?	A. 25% B. 50% C. 15% D. 20%
7	A factory employs M men and W women. What part of its employees are women?	A. $\frac{W}{(W + M)}$ B. $\frac{W}{M}$ C. $\frac{(W + M)}{M}$ D. $\frac{M}{W}$
8	If Adil can finish a job in 5 hours and Moeed can finish the same job in 10 hours, how many minutes will it take both of them together to finish the job?	A. 210 B. 220 C. 200 D. 160 E. 180
9	If p = 2, then $3^p + (p^3)^2 =$	A. 18 B. 45 C. 42 D. 70 E. 73
10	A motion was passed by a vote of 5: 3. What part of the votes cast was is favor of the motion?	A. $\frac{3}{5}$ B. $\frac{5}{8}$ C. $\frac{3}{8}$ D. $\frac{5}{3}$
11	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
12	David receives his allowance on Sunday. He spends $\frac{1}{4}$ of his allowance on Monday and $\frac{2}{3}$ of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. $\frac{2}{3}$ B. $\frac{4}{5}$ C. $\frac{6}{7}$ D. $\frac{1}{4}$
13	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. How much time in minutes is needed to fill the tank if both the pipes are working together?	A. 90 B. 50 C. 60 D. 30
14	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
15	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next to attain the average of 60?	A. 120 B. 60 C. 100 D. --

16	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y + z) / (y-z)$ B. $yz/(y + z)$ C. $(y + z)/yz$ D. $1/z - 1/y$
17	Maria's test scores were 96, 97, 86, 98 and 92. What would he need on his next test to have an average of 94?	A. 92 B. 90 C. 95 D. 100 E. 98
18	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
19	The value of $(x + y)^2 + (x - y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. 4xy D. -4xy
20	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None