

## NAT II Physical Science Quantitative

Sr	Questions	Answers Choice
1	$\frac{3}{4}$ of 432 = ?	A. 340 B. 232 C. 324 D. 316
2	$\frac{1}{x} = \frac{1}{y} + \frac{1}{z}$ 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. $1/z - 1/y$
3	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
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	A man opens a bookstall with a capital of Rs. 25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20% D. 7%
6	15% of 32 equal	A. 3.80 B. 2.50 C. 4.80 D. 4 E. 5
7	If $3(p + 5q) = 24$ , then what is the value of q, when $p = 3$ ?	A. 1 B. 5 C. 9 D. 3 E. 7
8	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
9	$2244 \div 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
10	$0.027 \div 90 = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003
11	$.007 \div \sqrt{.000049}$	A. 1 B. .0049 C. 2 D. 7
12	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
13	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. $12a + 12$
14	$350 - 96 \div 18 = ?$	A. 318 B. -132 C. 328 D. 232

15	Ay - b = c - dy what is 'y' in terms of 'a', 'b' and 'c'?	B. $\frac{38}{2}$ C. $\frac{38}{3}$ D. $\frac{38}{5}$
16	If the area of rectangle is 12, then its perimeter is	A. 6 B. 7 C. 8 D. 12 E. Cannot be determined from the given information
17	One half of the employs of Al Karim Co. earn salaries sabove Rs.18,000 monthly. One third of the reminder earn salaries between Rs.15,000 and Rs.18,000. What part of the staff earns below Rs.15,000?	A. $\frac{2}{3}$ B. $\frac{1}{3}$ C. $\frac{2}{5}$ D. $\frac{3}{5}$
18	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. $11x^2 - 3x + 10$
19	A man has Rs. 2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
20	$\frac{2}{3} \times 12 =$	A. 4 B. 6 C. 8 D. 10 E. 18