

## NAT I Engineering Quantitative

Sr	Questions	Answers Choice
1	If Myra had bowling scores of $b + 6$ , $b - 2$ , $b + 4$ , and $b - 5$ , what must she score in the next game to get an overall average of $b + 2$ ?	A. $b + 7$ B. $b - 3$ C. $b + 3$ D. $b - 7$
2	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60 ?	A. 120 B. 60 C. 100 D. 70
3	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
4	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
5	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 9000 C. 300 D. 900
6	Question Image	A. 15 B. 30 C. 45 D. 72
7	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
8	If $p$ is a negative integer and $p^2 + 11p = t$ , a value of $t$ could be	A. 12 B. 18 C. -18 D. 11
9	Find the ratio of 18 inches to 2 yards.	
10	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
11	Question Image	A. $a$ B. $90-a$ C. $180-a/2$ D. $180-a$
12	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^2 + y^2$ C. $4xy$ D. $-4xy$
13	$11/3 + 8/3 + 17/3$	A. 14 B. 12 C. 11 D. 15
14	If $2x + y + 11$ and $3x + 2y = 17$ then $y$ is?	A. 1 B. 5 C. 6 D. 4
15	Find the sum of money, 11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000
16	$Ay - b = c$ , $dy$ what is ' $y$ ' in terms of ' $a$ ', ' $b$ ' and ' $c$ '?	A. $(c+b) / (a+d)$ B. $(c-b) / (a+d)$ C. $(c-b) / (a+d)$

D.  $(c+b) / (a-d)$

17 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

18  $2x^2y$  when multiplied with  $x^2 + y^2$  gives ?

- A.  $2x^2y^3 + 2xy^3$
- B.  $2x^4y + 2x^2y^3$
- C.  $2xy^2 + 2x^2y$
- D.  $2xy^3 + 2x^3y$

19  $350 - -96 \div 18 = ?$

- A. 318
- B. -132
- C. 328
- D. 232

20 12% of  $x = 360$

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