

NAT I Engineering Quantitative

Sr	Questions	Answers Choice
1	If the ratio of $x : y$ is $9 : 7$, then $x+y$ is	A. 16 B. 2 C. 1 D. None
2	If a man's weekly salary is \$X and he saves \$Y, what part of his weekly salary does he spend?	
3	The death rates for three diseases are : Disease R 2 People out of 10,000 Disease S 13 People out of 1,000,000 Disease T 9 People out of 100,000 Disease R 2 People out of 10,000 What is the combined death rate for the three diseases?	A. 123 out of 1,000,000 B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000
4	$x\sqrt{0.09} = 3: x = ?$	A. 10 B. $1/3$ C. $1/10$ D. 1
5	Change $4\frac{4}{2}$ to an improper fraction:	A. $14/3$ B. $11/3$ C. $24/3$ D. $10/3$
6	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
7	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. 90 C. 60 D. 30
8	$Ay-b=c$, 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. $(c+b) / (a-d)$
9	$(60)^2 = ? \times 72$	A. 3600 B. 3528 C. 0.02 D. 50
10	Question Image	A. 20 B. 25 C. 40 D. 50
11	Question Image	A. $a-180$ B. $2a-180$ C. $180-2a$ D. $180-b$
12	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours ?	A. 32 B. 4 C. 16 D. 8
13	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
14	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
15	If $2x + y + b11$ nad $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. -

D. 4

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

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

17 $19 \times 11 + 18 \times 6 / 24 \times 3 - 62$

- A. 20.7
- B. $21 \frac{7}{8}$
- C. 1.47
- D. 31.7

18 In a school there are 400 students, of whom 70% are boys. What is the number of girls?

- A. 130
- B. 200
- C. 280
- D. 2800

19 Find the sum of money, 11% of which is Rs. 1650.

- A. 150
- B. 3300
- C. 25000
- D. 15000

20 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