

NAT I Medical Quantitative

Sr	Questions	Answers Choice
1	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
2	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
3	t is an integer greater than 5. The expression that must represent an odd integer is	A. $t(t+1)$ B. $3t-1$ C. t^2-2 D. $2t-3$
4	Question Image	A. 41^0 B. 65^0 C. 115^0 D. 106^0
5	Question Image	A. 40 B. 50 C. 90 D. 130
6	$(242 - 17)^2 - (7-5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
7	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. $21 \frac{7}{8}$ C. 1.47 D. 31.7
8	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
9	Question Image	A. 30 B. 39 C. 80 D. 78
10	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%
11	An angle is 30° more than one-half its complement. Find the angle.	A. 20° B. 30° C. 50° D. 60°
12	$Ay-b=c, dy$ 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. $(c+b) / (a-d)$
13	Find the value of x if $3:b=c:c$.	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
14	$12\% \text{ of } x = 360$	A. 250 B. 100 C. 400 D. 3000
15	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	A. 123 out of 1,000,000 B. 42 out of 10,000 C. 42 out of 100,000

Disease R 2 People out of 10,000

What is the combined death rate for the three diseases?

C. 42 out of 1000,000

D. 303 out of 1,000,000

16 One half of the employees of Al Karim Co. earn salaries above Rs. 18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff earns below Rs. 15,000 ?

A. 2/3
B. 1/3
C. 2/5
D. 3/5

17 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

18 The value of $(x+y)^2 - (x-y)^2$ is?

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

19 25% of 4 ÷ 4% of 25 =?

A. 1
B. 3
C. 0
D. 6

20 $2.08 - (0.5)^2 = ?$

A. -1.20
B. 1.88
C. 1.83
D. 2.16