NAT I Engineering Quantitative

Sr	Questions	Answers Choice
1	$(190)^2 - (150)^2$=?	A. 58600 B. 13600 C. 1360 D. 1600
2	Find the sum of money,11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000
3	If x=7y+3 and $z=49y^2$ then what is 'z' in terms of x?	A. X2 B. x²-3 C. (x-3)²/7 D. None
4	12 is 3/4 of what number ?	A. 20 B. 24 C. 16 D. 8
5	Question Image	A. 40 B. 50 C. 120 D. 130
6	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. 5x²-3x+4 B. 3x-2x²-4 C. x²+8x+10 D. 11x²+3x+10
7	1 3/4 - 1 3/5 =?	A. 0.16 B. 0.2 C. 0.15 D. 13/20
8	If it takes 10 minutes to walk 3/7 mile, how many minutes will it take to walk the rest of the mile ?	A. 2 1/3 B. 13 1/3 C. 4 2/7 D. 30
9	(44 x 3) + 128 + 120 / 9.5 - 94.7	A. 380 B. 10 C. 76.12 D. 100
10	If x% of 60 =48, then x=?	A. 80 B. 60 C. 90 D. 40
11	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section ?	A. 2/5 B. 3/7 C. 2/3 D. 1/13
12	The average of x, y, z and 40 is 10. What is the average of x, y, and Z.	A. 10 B. 0 C. 2 D. 15
13	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
14	Question Image	A. 4π B. 18π C. 28π D. 32π
15	Question Image	A. 24 B. 12√2 C. 16√2 D. 48

16	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. 2(x²+y²) C. 4xy D. -4xy
17	What is the sum of money, of which 6% is 18 dollars ?	A. 600 B. 200 C. 300 D. 10
18	Dave is twice as old as Bob, who is 3 years older than steve. If Steve is 4a years old, Dave's age is:	A. 8a B. 22a C. 14a D. 8a+6
19	A rectangular lot 50 feet by 100 feet is surrounded on all sides by a concrete walk 5 feet wide. Find the number of square feet in the surface of the walk.	A. 1600 B. 5250 C. 5500 D. 6100
20	Z + 1/Z =2 ; Z =?	A. 2 B. 1 C. 1/2 D. 1 1/2