NAT I Engineering Quantitative

Sr	Questions	Answers Choice
1	How many cents will r books cost if t books cost m dollars ?	
2	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
3	If x% of 60 =48, then x=?	A. 80 B. 60 C. 90 D. 40
4	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
5	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
6	If 2x + y + b11 nad 3x + 2y =17 then y is?	A. 1 B. 5 C. 6 D. 4
7	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. 250 3/5 D. 333 1/3
8	$(242 - 17)^2 - (7-5)^2 =?$	A. 49000 B. 49200 C. 94200 D. 49400
9	How many miles are there between two cities if the distance is represented by a 2.4-inch line on a map having a scale of 1 inch to 8 miles ?	A. 19.2 B. 12.8 C. 8.5 D. 38
10	$(190)^2 - (150)^2 =?$	A. 58600 B. 13600 C. 1360 D. 1600
11	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75% D. 400%
12	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
13	If you have 50 green , 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans?	A. 12 B. 13 C. 16 D. 17
14	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
15	A factory employs M men and W women. What part of its employees are women ?	A. W/(W+M) B. W/M C. (W+M)/M D. M/W
16	Find the value of x if 3 : b = x : c.	A. 68

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18	The average of x,y,z and 40 is 10. What is the average of x,y, adn z.	A. 10 B. 0 C. 2 D. 15
19	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
20	Find the sum of money,11% of which is Rs.1650.	A. 150 B. 3300 C. 25000 D. 15000