NAT II Management Science Quantitative

Sr	Questions	Answers Choice
1	If (x + 1/x)2= 96 what is the value of x2+ 1/x2?	A. 94 B. 98 C. 100 D. 90
2	$\sqrt{256} \div \sqrt{64} = ?$	A. 1/4 B. 26/8 C. 16 D. 4
3	If the area of rectangle is 12, then its perimeter is	A. 6 B. 7 C. 8 D. 12 E. Cannot be determined from the given information
4	The population of 8 villages is 900, 750, 1100, 1050, 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
5	If 3(p + 5q) = 24, then what is the value of q, when p = 3?	A. 1 B. 5 C. 9 D. 3 E. 7
6	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
7	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 below Rs. 15,000?	A. 2/3 B. 1/3 C. 2/5 D. 3/5
8	If x + 3y = 7 and 2x + y = 5 then x/y is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
9	Question Image	A. 1.425 B. 1.585 C. 1.330 D. 0.750 E. 1.750
10	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed below to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
11	What is the percent profit made on the sale of 1000 shares of stock bought at Rs. 10 per share and sold at Rs. 12 per share?	A. 2% B. 0.2% C. 25% D. 20% E. 41%
12	3/4 of 432 = ?	A. 340 B. 232 C. 324 D. 316
13	$(242 - 17)^2 - (7 - 5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
14	72 + 679 + 1439 + 537 + ? = 4036	A. 1309 B. 1208 C. 2308 D. 2423

15	If 3p + 2 = 12, then p - 1/3 equals:	A. 10 B. 3 C. 10/3 D. 4 E. 12
16	If a2- b2and a - b = 12 then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. 3/2
17	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
18	If 2x + y = 11 and 3x + 2y = 17 then y is?	A. 1 B. 5 C. 6 D. 4
19	A man has Rs. 2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
20	A and B can do in 6 days. If A does the job alone he takes 10 days. What will be the time required by B to complete the job alone?	A. 8 B. 6 C. 15 D. 3