Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
2	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. 10a+b+c
3	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
4	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
5	If (p-3) (p+4) > (p-3)(p+8) , what is the best description of p?	A. p=3 B. -8<p<-5 C. p={ } D. p<3
6	t is an integer than 5. The expression that must represent an odd integer is:	A. 1(t+1) B. 9t-1 C. t² D. 2t-3
7	Which of the following is the sum of two consective prime numbers?	A. 66 B. 52 C. 41 D. 29
8	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
9	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. a+1/10b+1/100c C. 10a+b+c D. 10a+b+c/10
10	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup,2 parts sugar, and 1 part butter. If you use 8 ouncres of milk, how many ounces of candy mixture can you make?	A. 25 3/5 B. 5 3/5 C. 20 D. 128
11	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
12	A clerk filled 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filled per day?	A. 50 B. 95 C. 84 D. 74
13	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 9000 C. 300 D. 900
14	If it takes 10 minutes to walk 3/4 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
15	If $a^2 - b^2 = 36$ and a-b =12 then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. 3/2
		A. 25/32

16	If 3 1/5 c=2 1/2 b and c≠0, then b/c=?	B. 7/8 C. 32/25 D. 11/10
17	1/x=1/y+1/z then 'x' in terms of 'y' and 'z' is given by?	A. (y+z) / (y-z) B. yz / (y+z) C. (y+z)/ yz D. 1/z-1/y
18	t is an integer greater than 5. The expression that must represent an odd integer is	A. t(t+1) B. 3t-1 C. t² D. 2t-3
19	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
20	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. x²+y² C. 4xy D. -4xy