

## NAT II Management Science Quantitative

Sr	Questions	Answers Choice
1	One half of the employs of Al Karim Co. earn salaries sabove Rs.18,000 monthly. One third of the reminder 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
2	Question Image	A. 1.425 B. 1.585 C. 1.330 D. 0.750 E. 1.750
3	David recieves his allowance in Sunday. He spends 1/4 of his allowance on Monday and 2.3 of the reminder on Tuesday. What part of his allowance is left for the rest week?	A. 2/3 B. 4/5 C. 6/7 D. 1/4
4	Maria's test scores were 96, 97, 86, 98 and 92. What would he need on his next test to have an average of 94?	A. 92 B. 90 C. 95 D. 100 E. 98
5	$(242 - 17)^2 - (7 - 5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
6	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%
7	If $(x + 1/x)^2 = 96$ what is the value of $x^2 + 1/x^2$ ?	A. 94 B. 98 C. 100 D. 90
8	The area of the circle is $16\pi$ . The length of the diameter of the circle is	A. 2 B. 32 C. 4 D. 16 E. 8
9	$Ay - b = c - dy$ what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. $38/2$ C. $38/3$ D. $38/5$
10	When $3x^2 + 5x + 7$ is subtracted from $x^2 + 8x + 3$ the result is?	A. $5x^2 - 3x + 4$ B. $3x - 2x^2 - 4$ C. $x^2 + 8x + 10$ D. $11x^2 - 3x + 10$
11	A team played 30 games of which it won. What part of the games played did it loss?	A. 1/5 B. 5/6 C. 6/5 D. 5
12	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
13	$(x + y)^2 = 25$ and $x^2 + y^2 = 13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
14	$9218 - 3546 + 2354 = ?$	A. 8026 B. 8116 C. 10410 D. 23174

15	$Ay - b = c - dy$ what is 'y' in term of 'a', 'b' and 'c'?	<p>A. <math>(c + b)/(a + d)</math>            B. <math>(c - b)/(a + d)</math>            C. <math>(c - b)/(a + d)</math>            D. <math>(c + b)/(a - d)</math></p>
16	What is the sum of money, 6% of which is 18 dollars?	<p>A. 600            B. 200            C. 300            D. 10</p>
17	A clerk filed 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 filed per day?	<p>A. 50            B. 95            C. 84            D. 74</p>
18	In a school there are 400 students, of whom 70% are boys. What is the number of girls?	<p>A. 120            B. 200            C. 280            D. 2800</p>
19	The value of $(x + y)^2 - (x - y)^2$ is?	<p>A. 4            B. <math>(x^2 + y^2)</math>            C. <math>4xy</math>            D. <math>-4xy</math></p>
20	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?	<p>A. <math>2/3</math>            B. <math>1/3</math>            C. <math>2/5</math>            D. <math>3/5</math></p>