

NAT II Management Science Quantitative

Sr	Questions	Answers Choice
1	$x^2 = 1681, x = ?$	A. 31 B. 41 C. 51 D. 61
2	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
3	$1/2$ of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
4	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
5	If $3p + 2 = 12$, then $p - 1/3$ equals:	A. 10 B. 3 C. 10/3 D. 4 E. 12
6	A motion was passed by a vote of 5: 3. What part of the votes cast was in favor of the motion?	A. 3/5 B. 5/8 C. 3/8 D. 5/3
7	If $3a - 5 = 3 + 2a$, then a =	A. 8 B. 9 C. 10 D. 12 E. 6
8	$(242 - 17)^2 - (7 - 5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
9	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
10	$x\sqrt{0.09} = 3; x = ?$	A. 10 B. 1/3 C. 1/10 D. 1
11	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
12	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 earns below Rs.15,000?	A. 2/3 B. 1/3 C. 2/5 D. 3/5
13	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?	A. 50 B. 95 C. 84 D. 74
14	A man spent 10% of his money. After spending 60% of the remainder he has Rs. 72 left. How much had he in the start?	A. 10 B. 100 C. 200 D. 400
15	25 % of 4 \div 4% of 25 = ?	A. 1 B. 3 C. 0 D. --

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- 16 A man has Rs. 2000 and spends 18% of it. What money has he left now?
A. 3600
B. 820
C. 1640
D. 4000
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- 17 If 'x' and 'y' are positive and $\frac{1}{x} = 3 + \frac{1}{y}$ is 'x' greater than 'y'?
A. Yes
B. No
C. It cannot be determined
D. They are equal
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- 18 The average (arithmetic mean) of $8a + 5$, $-3a$, 9 , 0 and $7a - 2$?
A. $3a + 1$
B. $3a + 3$
C. $4a + 1$
D. $4a + 4$
E. $12a + 12$
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- 19 If $(x + \frac{1}{x})^2 = 96$ what is the value of $x^2 + \frac{1}{x^2}$?
A. 94
B. 98
C. 100
D. 90
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- 20 $(190)^2 - (150)^2 = ?$
A. 58600
B. 13600
C. 1360
D. 1600
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