

NAT II Oriental & Islamic Studies Quantitative

Sr	Questions	Answers Choice
1	Ay -b = c -dy what is 'y' in term of 'a', 'b' and 'c'?	A. $(c + b)/(a + d)$ B. $(c - b)/(a + d)$ C. $(c - b)/(a + d)$ D. $(c + b)/(a - d)$
2	Ay - b = c - dy what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. $38/2$ C. $38/3$ D. $38/5$
3	If $3x + 5y = 10$ and $3y + 5x = 30$ then average if 'x' and 'y' is?	A. $3/2$ B. 4 C. $5/2$ D. $7/2$
4	$1/x = 1/y + 1/z$ 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. $1/z - 1/y$
5	The value of $(x + y)^2 - (x - y)^2$ is?	A. 4 B. $(x^2 + y^2)$ C. $4xy$ D. $-4xy$
6	The value of $(x + y)^2 + (x - y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. $4xy$ D. $-4xy$
7	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. $11x^2 - 3x + 10$
8	$(x + y)^2 = 25$ and $x^2 + y^2 = 13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
9	If $(x + 1/x)^2 = 96$ what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90
10	If $a^2 - b^2$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
11	The value of $\{0.54 - 0.44\} / \{0.52 - 0.42\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
12	$2x^2y$ when multiplied with $x^2 + y^2$ gives?	A. $2x^3y^3 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
13	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
14	The value of $x^2 + 5x + 6$ at $x = 2$ is?	A. 10 B. 14 C. 18 D. 20
15	If $x + 3y = 7$ and $2x + y = 5$ then x/y is?	A. $1/2$ B. $1/3$ C. $2/5$ D. $8/9$

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- 16 If $x + 2y = 11$ and $x + y = 10$ the value of y is?
A. 1
B. 2
C. 3
D. 4
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- 17 $x + y = 17$ and $x = 2$ then value of y?
A. 13
B. 15
C. 19
D. 10
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- 18 $1.02 - 0.02 + ? = 1.842$
A. 0.222
B. 0.842
C. 2
D. None
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- 19 $.007 \div .000049$
A. 1
B. .0049
C. 2
D. 7
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- 20 $72 + 679 + 1439 + 537 + ? = 4036$
A. 1309
B. 1208
C. 2308
D. 2423
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