GAT-C Agriculture, Veterinary, Biological & Related Science Quantitative

Sr	Questions	Answers Choice
1	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** The average (arithmetic mean) of the measures of the three angles of an equilateral triangle. **Column B** The average (arithmetic mean) of the measure of the three angles of a right triangle.	A. A B. B C. C D. D
2	If $1/x - y = 7$, then $x =$	A. x + 1/7 B. x - 1/7 C. 1/7 - x D. x/7 -1
3	The sum of integers p and q is 352. The units digits of p is 0. If p is divided by 10, the result is equal to q, what is the value of p ?	A. 30 B. 230 C. 320 D. 32
4	If it takes 4 days for 3 machines to do a certain job, how many days are required to complete the job by two machines?	A. 6 days B. 2 days C. 5 days D. 3 days
5	Question Image	A. 30 B. 45 C. 40 D. 35
6	Traveling by cars is safer than traveling by planes. Eighty percent of plane accidents result in death of all passengers, while only one percent of car accidents result in death. Q:Which of the following, if true, would most seriously weaken the argument above?	A. Planes are inspected by experienced engineers before flying B. The number of car accidents is several thousand times higher than the number of plane accidents C. Pilots are more trained than car drivers are D. Speed of car is lesser than that of plans nj
7	Twice the age of son is 4 year more than the age of his father. What is the age of the son if father is of 40?	A. 22 B. 20 C. 18 D. 16 E. 14
8	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B.	A. A B. B C. C D. D

Column A
P
Column B
150

$\sqrt{P} + 3 = 15$

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9 | The average of a,b,s , and t is 6 and the average of s and t is 3. What is the average of a and b? | A. 3
B. 18
C. 9
D. 12

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10 | Question Image |

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11 | If $x < 0$, then $-3x^2$ is: | A. less thean $(-3x)^2$
B. greater than $(-3x)^2$
C. equal to $(-3x)^2$
D. greater than or equal to $(-3x)^2$

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12 | If $P^2 + 5 = 22$, then $P^2 - 5 =$ | A. 12
B. 17
C. 39
D. 144

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13 | If the base of a rectangle is increased by 40% and its altitude is decreased by 20% then its area is: | A. decreased by 20%
B. increased by 12%
C. decreased by 12%
D. increased by 16%

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14 | Gas heater in bedrooms has long been the main cause of home fires. Despite a significant decline in gas heaters in the last two decades, there has been no comparable decline in the number of people killed in home fires.
Q:Each one of the following statements, it true over the last two decades, helps to resolve the apparent discrepancy above EXCEPT: | A. Compared to other types of some fires, home fires caused by gas heaters in bedrooms usually cause relatively little damage before they are extinguished
B. Population densities have increased, with the result that one home fire can cause more deaths than in previous decades
C. Gas heater users often sleep in the morning
D. Home fires caused by gas heaters in bedroom often break out after the residents have fallen asleep

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15 | One positive number is 2/3 of the other and their product is 24. what is the sum of the two? | A. 6
B. 18
C. 36
D. 24
E. 10

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16 | Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in.

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Column A

4x/3
Column B
Y

x/y = 3/4 | A. A
B. B
C. C
D. D

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17 | In an vitro study, 160 white cats were injected with saltx. 160 other white cats were injected with placebo. In two weeks, 39% of the white cats, who were injected with SaltX showed symtoms of Kay fever? Hence, it can be concluded that Kay fever is caused by some elements similar to the elements in SaltX.Q:Which of the following would most strengthen the | A. Some of the elements in SaltX are extracted from the root of a certain polsonous herb of Hunzaroot of a certain poisonous herb of Hunza
B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally found in salt X
C. Almost all the white cats died

elements similar to the elements in said **a**. Which of the following would most strengthen the argument above?

within two days after the first symptom appeared
D. Normally the rate of Kay fever among white cats is less than 0.01%
E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever

18	The L.C.M of 12,20,24,32 is:	A. 240 B. 360 C. 480 D. 600

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A. A
B. B
C. C
D. D

Column A
The value of x * y when x = 1/2 and y = 1/3
Column B
-1
x * y = 1/x - 1/y

20	Question Image	A. $2 + 3\sqrt{2}$ B. 8 C. $4 + 6\sqrt{2}$ D. $3 + 2\sqrt{2}$