

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

Sr	Questions	Answers Choice
1	If $x/y = -1$ , then $x + y =$	A. 0 B. 1 C. y D. 2x
2	A bag contains 20 marbles: 6 green, 10 brown, and 4 white. If one marble is removed randomly, what is the minimum number that must be removed to be certain that you have at least 2 marbles of each colour	A. 16 B. 18 C. 10 D. 15
3	If 8 is 4 percent of k, then k is 4 percent of:	A. 5000 B. 4000 C. 800 D. 80
4	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Question Image</div>	A. 4 D. 10
5	<p>Many people especially the experts in the field of forestry are against all forest fires. They demand that all forest fires should be extinguished and let the forest die out by their own. The study of forest fires show that in the long run, forest fires may in fact, be beneficial to the ecology as a whole.</p> <p>Q:Among the following, which statement would logically follow from one of the observations referred to in the passage above?</p>	A. The reason of almost all forest fires is natural B. Human beings try to extinguish the fire for gaining heat C. Studies indicate that forest fires regularly occurred in the times prior to human occupation of forest areas D. The animal and plant life destroyed by forest fires seldom represents endangered species E. Occasionally, the small fire prevents a large scale fire by the accumulation of flammable materials
6	<p>Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice.</p> <p>Q:Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:</p>	A. Wheat and oats have the same nutritional value B. Rye has more nutritional value than oats C. Rye has more nutritional value than rice D. Oats have more nutritional value than wheat
7	A triangle has sides, 5 inches, 12 inches and 13 inches, respectively, A rectangle equal in area to that of the triangle has width of 4 inches. The perimeter of the rectangle, expressed in inches, is:	A. 23 B. 28 C. 60 D. 32
8	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Question Image</div>	A. $12\text{ cm}^2$ B. $25\text{ cm}^2$ C. $9\text{ cm}^2$ D. $17.23\text{ cm}^2$
9	A class of 30 girls and 40 boys sponsored a mango party. If 60 percent of the girls and 25 percent of the boys went on the party, what percent of the class went on the party?	A. 30% B. 35% C. 50% D. 40%
10	If $5x > 2$ and $12/2 x \leq 4$ , list all the possible integral values of x?	A. 2, 3, 4, 5, 6 B. 1, 2, 3, 4, 5, 6, 7, 8 C. 2, 3 D. 1
11	Yesterday Sagher earned Rs. 100 less than Bilal, and today Sagher earned Rs.75 more than Bilal. Which of the following must be true about Sagher's total earnings for the two days compared to Bilal's?	A. Sagher earned 3/4 of what Bilal earned B. Sagher earned \$17.50 more than Bilal C. Sagher earned \$2.50 more than Bilal D. Sagher earned \$25 less than Bilal
12	If $2x - 3 = 15$ , what is the value of $(2x - 3)^2$ ?	A. 81 B. 227 C. $\pm 225$ D. 225
		A. A large number of the teacher's

13	<p>Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received a passing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades.</p> <p>Q: The argument above is flawed in that it ignored the possibility that.</p>	<p>student were in his class the previous year</p> <p>B. Many teachers find it difficult to be objective when assigning grades to male and female students</p> <p>C. The evidence shows that more than 92% of the female students should have received a passing grade</p> <p>D. The majority of tests written by female students and that have been rechecked by another teacher were given a higher grade by the second teacher</p>
14	<p>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.</p> <p>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.</p> <p>Notes: Sometimes, in certain questions, 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.</p> <p><b>Column A</b>          The average (arithmetic mean) of the even numbers between 1 and 13</p> <p><b>Column B</b>          The average (arithmetic mean) of the odd numbers between 2 and 14</p>	<p>A. A          B. B          C. C          D. D</p>
15	<p>Question Image</p>	<p>A. <math>28 - 2x</math>          B. <math>4(14 - 4x)</math>          C. <math>48 - 3x</math>          D. <math>7(6 - 3x)</math></p>
16	<p>If <math>x</math> is a positive number, then 50 percent of <math>10x</math> equals</p>	<p>A. <math>2x</math>          B. <math>4x</math>          C. <math>20x</math>          D. <math>5x</math></p>
17	<p>Companies in the country of Jilsan sell transistor radios in the country of Kabana at a price that is below what it costs Kabanian companies to produce them. To help those Kabanian companies, the Kabanian legislature plans to set a minimum selling price for transistor radios imported into Kabana from Jilsan that is twelve percent greater than the average production costs for companies in Kabana.</p> <p>Q: Which of the following, if true, most seriously threatens the success of the plan?</p>	<p>A. The annual rate of inflation in Jilsan is expected to exceed twelve percent within the next year</p> <p>B. Kabana is not the only country where Jilsan manufacturers currently sell transistor radios</p> <p>C. Some Kabanian companies that sell transistor radios have announced that they plan to decrease their price for transistor radios</p> <p>D. Emerging companies in countries other than Jilsan will be able to sell transistor radios in Kabana at a price below what it costs Kabanian companies to manufacture them</p>
18	<p>A local board of education has decided to allow its Urdu teachers more freedom to customize the curriculum for their classes. The teachers can edit out those sections of the curriculum they are not interested in and add material of their own choosing.</p> <p>Q: The widespread use of the option mentioned above is LEAST likely to contribute to fulfilling which of the following educational objectives?</p>	<p>A. Coverage of material relevant to a particular student's specific needs</p> <p>B. Coverage of basic grammatical structures and the exceptions to these grammatical structures</p> <p>C. Ensuring that students nationwide engaged in a specific course of study are uniformly exposed to a basic set of readings</p> <p>D. Making the textbooks used in classes more satisfactory from the individual teacher's point of view</p>
19	<p>Question Image</p>	<p>A. <math>3\sqrt{3}</math>          B. <math>36\sqrt{3}</math>          C. 81          D. <math>81\sqrt{3}</math></p>
20	<p>Reporter: H &amp; B Co. has misled its clients by promoting some Egyptian porcelain figurines as rare; in fact those pieces are relatively commonplace.</p> <p>H &amp; B Representative: That is absurd! H &amp; B is the largest antique dealer in the country. We authenticate the figurines we sell through a nationally recognized firm.</p>	<p>A. exaggerates the H &amp; B Representative's claims in order to make them appear absurd</p> <p>B. accuses the H &amp; B Representative of bias but presents no evidence to support that accusation</p> <p>C. fails to establish that other antique</p>

Q: The H & B Representative's reply is most vulnerable to the criticism that it .

C. fails to establish that other antique dealers do not also authenticate the figurines those dealers sell  
D. lists strengths of H & B while failing to address the representative's charge