

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

Sr	Questions	Answers Choice
1	If circumference of a circle is $3\pi$ , then its area is:	A. $7\pi/2$ B. $9\pi^{>2}</sup>$ C. $4\pi^{>2}</sup>$ D. $9\pi/4$
2	If, in the class of 33, 3 are honor students, what part of the class are not honor students?	A. $89/100$ B. $9/10$ C. $10/11$ D. $9/10$
3	If C is the circumference of a circle of radius r, then which of the following statement is true ?	A. $C/r \leq 6$ B. $C/r = 6$ C. $C/r \geq 6$ D. $C/r = \pi$
4	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
5	If $p^2 - q^2 = 48$ and $p - q = 12$ , what is the average of p and q ?	A. 4 B. 6 C. 2 D. 12
6	There are 28 players in a college cricket team. What is the probability that at least 3 of them have their birthday in the same month ?	A. 0 B. $1/5$ C. 1 D. $1/2$
7	<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 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.</p> <p><b>Column A</b> <math>y/x</math> <b>Column B</b> <math>x/y - 1</math> <math>x = 2y</math></p>	A. A B. B C. C D. D
8	Question Image	A. $x + y = 180$ B. $x - y = 180$ C. $180 < x + y \leq 270$ D. Insufficient information
9	What is the least positive integer which is to be added to 57592910 so that the sum may be a perfect square ?	A. 7588 B. 7 C. 11 D. 15166
10	If C is the circumference of a circular disk in centimeters, and A is the area of the same circular disk in square centimeter. Then $C/A = A/C$ , iff $r =$	A. 1 B. 2 C. 3 D. 4
11	If the mean (average) of 6 numbers is 4.5. What is the sum of the numbers ?	A. 0.75 B. 10.5 C. 12 D. 27

12	If $2m = 4x$ and $2w = 8x$ , what is $m$ in terms of $w$ ?	<p>A. <math>w - 1</math>  B. <math>w + 1</math>  C. <math>2w - 1</math>  D. <math>2w + 1</math></p>
13	The surface area of sphere of radius $3\frac{1}{2}$ cm is:	<p>A. 130 sq.cm  B. 69 sq.cm  C. 154 sq.cm  D. 98 sq.cm</p>
14	<p>Although the new cochleae manufactured by Medotech will cost more than twice as much as the cochlear implants now in use, Medotech implants should still be cost-effective. Not only will surgery and recovery time be reduced, but Medotech cochlear replacements should last longer, thereby reducing the need for further hospital stays.</p> <p>Q: Which of the following must be studied in order to evaluate the argument presented above?</p>	<p>A. The amount of time a patient spends in surgery versus the amount of time spent recovering from surgery.</p> <p>B. The amount by which the cost of producing Medotech cochlear replacements has declined with the introduction of the new technique for producing them</p> <p>C. The degree to which the use of Medotech cochlear replacements is likely to reduce the need for repeat surgery when compared with the use of the replacements now in use.</p> <p>D. The degree to which the use of Medotech replacements are more carefully manufactured than are the replacements now in use</p>
15	<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 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.</p> <p><b>Column A</b>  <math>b</math>  <b>Column B</b>  <math>0</math></p> <p>The average (arithmetic mean) of <math>a</math>, <math>b</math>, 22 and 38 is 15, and <math>a &gt; 0</math></p>	<p>A. A  B. B  C. C  D. D</p>
16	13 Years ago Shabbir mother was 7 times as old as he was. She is now 48 years old. How many years old is Shabbir now ?	<p>A. 28  B. 18  C. 38  D. 20</p>
17	<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 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.</p> <p><b>Column A</b>  <math>\sqrt{16x^{16}}</math>  <b>Column B</b>  <math>\sqrt{(4x^4)^2}</math></p>	<p>A. A  B. B  C. C  D. D</p>
18	A cylinder and the cube have the same volume, if the height, $h$ , of that cylinder is equal to the edge $e$ of the cube, the radius of the cylinder is:	<p>A. <math>\sqrt{\pi}/h</math>  B. <math>\pi/h</math>  C. <math>h/\sqrt{\pi}</math>  D. <math>2\pi/h</math></p>

- 19 The death rates for three diseases are  
Disease R 2 people out of 10,000  
Disease S 13 people out of 1,000,000  
Disease T 9 people out of 100,000  
What is the combined death rate for the three diseases?
- A. 123 out of 1,000,000  
B. 42 out of 10,000  
C. 42 out of 1000,000  
D. 303 out of 1,000,000

- 20 The area of an equilateral triangle whose altitude is 10, is:
- A.  $8\sqrt{3}$   
B.  $2\sqrt{3}$   
C.  $96\sqrt{3}$   
D.  $4\sqrt{3}$