

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

Sr	Questions	Answers Choice
1	If circumference of a circle is 3π , then its area is:	A. $7\pi/2$ B. $9\pi^2$ C. $4\pi^2$ 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. $C/r < 6$ B. $C/r = 6$ C. $C/r > 6$ 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. $1/2$
<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>		
7	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.	A. A B. B C. C D. D
<p>Column A y/x Column B $x/y - 1$</p> <p>$x = 2y$</p>		
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 ?	A. $w - 1$ B. $w + 1$ C. $2w - 1$ D. $2w + 1$
13	The surface area of sphere of radius $3\frac{1}{2}$ cm is:	A. 130 sq.cm B. 69 sq.cm C. 154 sq.cm D. 98 sq.cm
14	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. Q: Which of the following must be studied in order to evaluate the argument presented above?	A. <div>The amount of time a patient spends in surgery versus the amount of time spent recovering from surgery.</div><div> </div> B. The amount by which the cost of producing Medotech cochlear replacements has declined with the introduction of the new technique for producing them 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. D. The degree to which the use of Medotech replacements are more carefully manufactured than are the replacements now in use
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	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.	
15	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.	A. A B. B C. C D. D
	Column A b Column B 0	
	The average (arithmetic mean) of a, b 22 and 38 is 15, and $a > 0$	
16	13 Years ago Shabbir's mother was 7 times as old as he was. She is now 48 years old. How many years old is Shabbir now?	A. 28 B. 18 C. 38 D. 20
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17	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.	A. A B. B C. C D. D
	Column A $\sqrt{16x^{16}}$ Column B $\sqrt{(4x^4)^2}$	
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:	A. $\sqrt{\pi}/h$ B. π/h C. $h/\sqrt{\pi}$ D. $2\pi/h$

- 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
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- 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. $4\sqrt{3}$
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