

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

Sr	Questions	Answers Choice
1	<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>
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> <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>Column A The product of the integers</p> <p>Column B The average of the integers</p> <p>The sum of 5 consecutive integer is 0</p>	<p>A. A B. B C. C D. D</p>
3	<p>A solid metal cube of side 5 inches is placed in a rectangular tank whose length, breadth and height are 5, 6 and 7 inches, respectively. What is the volume in cubic units, of water that the tank can now hold ?</p>	<p>A. 210 cubic inches B. 85 cubic inches C. 125 cubic inches D. 216 cubic inches</p>
4	<p>How many numbers between 200 and 500 are divisible by 13 ?</p>	<p>A. 23 B. 17 C. 15 D. 32</p>
5	<p>What is the ratio of the circumference of a circle to its radius ?</p>	<p>A. π B. $\pi/2$ C. $2\pi r$ D. 2π</p>
6	<p>Naghmana has 4 shirts of red, blue, green, and brown colors. She also has 3 trousers of black, brown, and white colors. How many different shirt trouser combinations can she wear, if she has decided to wear the white trouser?</p>	<p>A. 4 B. 6 C. 8 D. 12 E. 24</p>
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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 $a > 0$

- 8 If $2x + 5y = 18$ and $x = 4$ then what is the value of y?

A. 2
B. 3
C. 4
D. 5

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

Column A

$27 \div 9 \times 3$

Column B

7

- 10 If $a + b > 7$ and $a - b > 5$, then which of the following gives all possible values of a and only possible value of a ?

A. $a > 6$
B. $a \leq 5$
C. $a \geq 4$
D. $a \leq 7$

- 11 A famous painter has recently won a lawsuit against a major food manufacturer for commissioning a graphic designer to design the packaging of its chocolate chip cookies in the painter's distinctive style. As a result of the lawsuit, manufacturers will stop asking graphic artists to copy distinctive painting styles. Therefore, the cost of package design will rise because employing the services of known artists cost more than those of graphic designer that imitate their style.
Q: The conclusion above is based on which of the following assumptions?

A. Most people are unable to distinguish a famous artist's illustration from that of a good graphic artist imitating the painter's style
B. Manufacturers will use well-known painting styles in their packaging
C. The original version of some well-known paintings are unavailable for use in packaging
D. Manufacturers will continue to use graphic artists to imitate the artistic style of famous painters

- 12 Unreported underground industries get no productivity support from the government. On the other hand, some industries that are run entirely by self-employed industrialists are included in national productivity measures.
Q: From the information given above, it can be validly concluded that

A. All self-employed industries are under ground
B. Underground industries should be banned because of their low productivity
C. there are at least some industries other than those run entirely by self-employed industrialists that are underground industries
D. Underground industries should be merged in large industries

- 13 The difference between the first two perfect squares that end with 9 is:

A. 11
B. 40
C. 30
D. 120

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A. A
B. B
C. C

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C. 5
D. 7

Column A

$$\sqrt{18/7} + \sqrt{18}$$

Column B

7

15	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. 250 $\frac{3}{4}$ D. 333 $\frac{1}{3}$
16	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday, and 66 on Friday. What was the average number of forms filed per day?	A. 50 B. 95 C. 84 D. 74
17	When I arrived at the college last week, the behavior of the students was so poor that I was shocked. The student population is completely lacking in good social skills. Q: Which of the following, if true, would weaken the above conclusion?	A. Students on boarding are often rude B. Students of sciences are often rude C. Social skills should not be expected of college students D. The enrolment in an ordinary college is more than 10,000, even in a small city in Pakistan
18	The smallest even number of three digits is:	A. 98 B. 102 C. 998 D. 100
19		A. 70 B. 45 C. 40 D. 65
20	What is the probability of getting all six in a single throw of three unbiased dice?	A. $\frac{1}{6}$ B. $\frac{125}{216}$ C. $\frac{1}{36}$ D. $\frac{1}{216}$