

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

Sr	Questions	Answers Choice
1	Question Image	A. $20 <sup>0</sup>$ B. $70 <sup>0</sup>$ C. $100 <sup>0</sup>$ D. $110 <sup>0</sup>$
2	<p>There is clear evidence that the mandated vaccination to children under age four has resulted in fewer child fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the vaccination, fatalities of children under age four have decreased by 30 percent.</p> <p>Q: Which one of the following, if true, most substantially strengthens the argument above?</p>	A. The fatality rate for other age groups has remained steady over the past five years B. Air pollution has been increased over the period of past five years C. Government has implemented a malaria control campaign last year D. Health conditions in the country are better than has been previously
3	<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>  <math>3x - 19 / 3</math>  <b>Column B</b>  <math>x - 19</math></p>	A. A B. B C. C D. D
4	<p>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 symptoms of Kay fever? Hence, it can be concluded that Kay fever is caused by some elements similar to the elements in SaltX.</p> <p>Q: Which of the following would most strengthen the argument above?</p>	A. Some of the elements in SaltX are extracted from the root of a certain poisonous 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 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
5	<p>The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555 and 630. Find the population of ninth village if the average population of nine villages is 900.</p>	A. 1200 B. 1065 C. 1030 D. 1800
6	<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>	A. A B. B C. C D. D

**Column A**

The product of the integers

**Column B**

The average of the integers

The sum of 5 consecutive integer is 0

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7

Bus Company President: A city councilman has stated his objection to the claim that the city buses are dangerous. This is clearly untrue. None of the new buses in use has ever crashed or even had a serious malfunction. City councilman: The problem with the new buses is not that they malfunction, but that they are no flamboyantly painted that other drivers on the road are distracted and this may cause accidents.

Q: The councilman responds to the bus company president by doing which of the following?

- A. Characterizing the bus company president's assertion as stemming from subjective interest rather than from objective evaluation of the facts
- B. Drawing attention to the fact that the bus company president's interpretation of the word "dangerous" is too narrow
- C. Invoking evidence that the bus company president has explicitly dismissed as irrelevant the point at issue
- D. Citing statistical evidence that refutes the bus company president's claim

8

Question Image

- A. 25.25
- B. 36.5
- C. 42.5
- D. 35

9

Ayesha completed questions 4 - 18 of a mathematics exercise in 30 minutes. At this rate, how long, in minutes, will it take her to complete questions 27 - 55?

- A. 59
- B. 29
- C. 30
- D. 58

10

The least prime number is:

- A. 0
- B. 1
- C. 2
- D. 3

11

If  $P$  is a negative integer and  $p^2 + 11p = t$ , a value of  $t$  could be

- A. 12
- B. 18
- C. -18
- D. 11

12

What is the perimeter of parallelogram ABCD?

- A.  $14 + \sqrt{17}$
- B.  $16 + \sqrt{7}$
- C.  $2 + \sqrt{17}$
- D.  $2(7 + \sqrt{17})$

13

Each man contributed dollars equal to the number of women and each woman contributed dollars equal to the number of men in a group of 120 group of 120 people, the total amount collected was Rs. 7200. How many men were there in the group?

- A. 72
- B. 60
- C. 40
- D. 80
- E. None of these

14

The area of an equilateral triangle whose altitude is 10, is:

- A.  $8\sqrt{3}$
- B.  $2\sqrt{3}$
- C.  $96\sqrt{3}$
- D.  $4\sqrt{3}$

15

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><br></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

16

The number of young adults that are illiterate has dropped significantly in a certain county over the last fifteen years. Education officials attribute this decrease entirely to improved conditions in the schools, which made for a better teaching environment, reducing the level of illiteracy.

- A. Many similar improvements in school conditions have been made over the last twenty-five years in the county
- B. Home-schooling has not been more prevalent among the illiterate as compared to people who are not illiterate
- C. Because of a new assessment

Q:which of the following, if true, would most seriously weaken the education officials explanation for the lower incidence of the disease?

scale, many people who until this year would have been considered illiterate are now considered low-level readers

D. The same percentage of the population has been tested every year for the last 30 years

17 Both Gujranwala Jims and Lahore Jims have printed a toll-free number on their exercise products to provide round-the-clock telephone assistance to any customer who encounters difficulties. Since customers only call the numbers when they find the exercise equipment difficult to use, and the Gujranwala Jims line receives three times as many calls as the Lahore Jims' line, Gujranwala Jims' product must be more difficult to use than Lahore Jims.

Q:Which of the following, if true, most strengthens the argument above?

A. Calls to the Lahore Jims number are almost twice as long, on average, than calls to the Gujranwala Jims'line.

B. Lahore Jims has sold four times the number of its exercise product that Gujranwala Jimshas

C. Lahore Jims receives twice as many letters of complaint about its product as Gujranwala Jimsreceives about its product

D. The number of calls received by each of the two lines has been gradually increasing.

18 Question Image

A. Number of students taking math is equal to the number of students taking astronomy.

B. Number of students taking math is less than the number of students taking astronomy.

C. Number of students taking math is greater than the number of students taking astronomy.

D. Cannot find from the given information.

19 Question Image

A. 50  
B. 20  
C. 35  
D. 10

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

**Column A**  
 $3\sqrt{16/4}$   
**Column B**  
 $2\sqrt{18/2}$