

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

| Sr | Questions   | Answers Choice   |
|----|---|--|
| 1  | Question Image  | A. 54<br>B. 72<br>C. $4 + \sqrt{3}$<br>D. $12(4 + \sqrt{3})$   |
| 2  | A soap factory has 30 packers. Each packer can load $1/8$ of a box in 9 minutes. How many boxes can be loaded in $1 \frac{1}{2}$ hours by all 20 packers ?  | A. 28<br>B. $37 \frac{1}{2}$<br>C. 35<br>D. $35 \frac{1}{2}$   |
| 3  | If Dabeer is $1/3$ rd the age of his father Agha Jameel now, and was $1/4$ th the age of his father 5 years ago, how old will his father 5 years ago, how old will his father Agha Jameel be 5 years from now?  | A. 20<br>B. 45<br>C. 40<br>D. 50<br>E. 15  |
| 4  | In solving an arithmetic example, Lubna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$ , what should be the correct answer to the example?  | A. $2 \frac{8}{11}$<br>B. $5 \frac{6}{66}$<br>C. $2 \frac{1}{5}$<br>D. $11 \frac{1}{30}$   |
| 5  | How many whole bricks $6 \times 12 \times 24 \text{ cm}^3$ will be sufficient to construct a solid cube of minimum size ?   | A. 4<br>B. 6<br>C. 8<br>D. 12  |
| 6  | The cost of the planting sugarcane at the rate of 6 paisa per square meter is Rs. 5840.64. What is the length of side of this square field:   | A. 312 m<br>B. 622 m<br>C. 97344 m<br>D. 459 m   |
| 7  | <p>My neighbor's dogs bark and howl every time their owner lets them outside. My CPA told me that dogs tend to bark and howl when they see birds resting in the top branches of their favorite trees. I personally believe they bark and howl because they enjoy disrupting my meditations.</p> <p>Q: Which of the following conclusions can be properly drawn from the preceding passage?</p>  | <p>A. The dogs must be abused by their owners</p> <p>B. There are many pedestrians who walk by this neighbor's house, and the dogs are starving for attention</p> <p>C. The dogs frequently see birds in the tops of their favorite trees</p> <p>D. The dogs will bark and howl at 3 a.m. if they are outside at that time</p>   |
| 8  | <p>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.</p> <p>Q: From the information given above, it can be validly concluded that</p>   | <p>A. All self-employed industries are under ground</p> <p>B. Underground industries should be banned because of their low productivity</p> <p>C. there are at least some industries other than those run entirely by self-employed industrialists that are underground industries</p> <p>D. Underground industries should be merged in large industries</p>                           |
| 9  | The value of $(5x + 6)(x + 12) - (5x - 6)(x + 3)$ is:   | A. $2(5x^2 + 9x + 12)$<br>B. 14<br>C. 4<br>D. 22   |
| 10 | $3-7 =$   | A. -7<br>B. 7<br>C. -4<br>D. 4   |
| 11 | <p>Certain upgrades need to be made on each of the computers owned by Sami Publishers. The work of upgrading their 20 computers is mentally taxing. Employees are using the computers during the day, making it difficult for the computer technician to coordinate the block of time needed to work on each computer. Therefore, the most efficient time to upgrade the computers is between ten o'clock p.m. and eight o'clock a.m. when the computers are free.</p> <p>Q: Which of the following, if true, argues most strongly against the view that upgrades could be done more efficiently by scheduling them at night?</p> | <p>A. Energy costs in businesses are greatly lower at night than they are during the day</p> <p>B. More blackouts occur between midnight and eight o'clock in the morning than at any other time</p> <p>C. Over the course of a year, the company's computers will require periodical checks and upkeep</p> <p>D. Mental alertness is lower in the late night than during the day,</p> |

12 If  $5/6n = 60$ , then  $1/6n = ?$  A. 8  
B. 10  
C. 12  
D. 50

13 What is the average of first hundred natural numbers ? A. 50  
B. 50.5  
C. 49.5  
D. 100

14 Question Image A. 144  
B. 169  
C. 100  
D. 64

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.

- 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 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.

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

**Column A**

The average (arithmetic mean) of the measures of the three angles of an equilateral triangle.

**Column B**

The average (arithmetic mean) of the measure of the three angles of a right triangle.

16 Ali purchased some goldfish. During the first week,  $1/5$  of them died, and during the second week,  $3/8$  of those still alive at the end of the first week died. What is the fraction of the original goldfish still alive after two weeks ? A.  $1/2$   
B.  $3/2$   
C.  $5/2$   
D.  $4/3$

17 If  $6 - a > 7$ , then A.  $a > 1$   
B.  $a > -1$   
C.  $a < -1$   
D.  $a < 1$

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.

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

**Column A**

$a + b$

**Column B**

15

(a and b are positive integers  $ab = 21$ )

19 Question Image A. 35  
B. 25  
C. 27  
D. 50

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.

- 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.

20

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**

$5/\sqrt{6}$

**Column B**

$5\sqrt{2}/\sqrt{12}$