

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

Sr	Questions	Answers Choice
1	The chairs in the school hall can be set out in 35 equal rows or in 45 equal rows or in 105 equal rows are:	A. 600 B. 400 C. 40 D. 80
2	t is an integer greater than 5. The expression that must represent an odd integer is	A. $t(t + 1)$ B. $3t - 1$ C. $t^2$ D. $2t - 3$
3	If a square of area 3 is inscribed in a circle, then the area of the circle is:	A. $\frac{9}{4}\pi$ B. $9\pi$ C. $3\pi$ D. $\sqrt{3}\pi$
4	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
5	<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>                      x  <b>Column B</b>  <math>(11/13)^5</math>  <math>x^5 = 11/13</math></p>	A. A B. B C. C D. D
6	$\frac{3}{8}$ of a number is 10. What is the number ?	A. 91 B. 81 C. 23 D. 27
7	If $x^2 - y^2 = 16$ and $x^2 + y^2 = 34$ , which of the following could be the value of $xy$ ? i. 15 ii. -15 iii. 45	A. only 1 B. only 2 C. 1 and 2 only D. 3 only
8	<div style="border: 1px solid black; padding: 2px; width: fit-content;">Question Image</div>	A. $22.9\pi$ B. $22.4\pi$ C. $60\pi$ D. $62.3\pi$
9	<div style="border: 1px solid black; padding: 2px; width: fit-content;">Question Image</div>	A. 125 sq.cm B. 150.72 sq.cm C. 64 sq.cm D. 56 sq.cm

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.

- 10 D.If the relationship cannot be determined from the information given.
- 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**

$5/\sqrt{6}$

**Column B**

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

- 11 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 held ?

A. 210 cubic inches  
B. 85 cubic inches  
C. 125 cubic inches  
D. 216 cubic inches

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- 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**

$17/1/17$

**Column B**

1

- 13 What is the average of first hundred natural numbers ?

A. 50  
B. 50.5  
C. 49.5  
D. 100

- 14 If  $x > y$ , then  $(x - y)(x + y)$  is :

A. equal to  $(x - y)(x + y)$   
B. less than  $(x - y)(x + y)$   
C. greater than  $(x - y)(x + y)$   
D. options A and C

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

**Column A**

$9^2$

**Column B**

$3^4$

$(8^{2a} = 4^{3b})$

- 16 If  $2x - 3 = 15$ , what is the value of  $(2x - 3)^2$  ?

A. 81  
B. 227  
C.  $\pm 225$   
D. 225

- 17 What is the least of three consecutive integers whose sum is 18?

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

A.  $\pi^{2^2} (r^{2^2} - R^{2^2})$

18

Question Image

- A.  $\pi R^2 + \pi r^2$
- B.  $\pi R^2 + \pi r^2$
- C.  $\pi(R + r)(R - r)$
- D.  $\pi(R + r)(R - r)$

19

If  $3y = 7$ , the value of  $6y - 3$  is:

- A. 39
- B. 13
- C. 11
- D. 10

20

Question Image

- A. =
- B. <
- C. >
- D. ÷