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

Sr	Questions	Answers Choice
1	Question Image	A. 50 B. 20 C. 35 D. 10
2	What is the least of three consecutive integers whose sum is 18?	A. 2 B. 3 C. 4 D. 5
3	If the radius of a circle is increased by 20% then the area is increased by:	A. 14% B. 120% C. 144% D. 40%
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	Sonia buys two off-cuts of ribbon in a sale. One is 153 cm long. The other is 204 cm long. She cuts them so that she ends up with a number of pieces all the same length. What is the greatest length each piece can be ?	A. 39 B. 6 C. 17 D. 51
6	If $2x + 5y = 18$ and $x = 4$ then what is the value of y?	A. 2 B. 3 C. 4 D. 5
7	The average of the first 35 positive integers is:	A. 13 B. 17 C. 18 D. 19
8	If $a = -5$ and $b = 3$ then $-a^2 b^3$ is:	A. less than 0 B. equal to 0 C. greater than 0 D. options B and C
9	Out of the 44 boys in a class, 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 5. Find the average age of the entire class.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
10	In figure 2, what is the area of ΔBED ?	A. 16 B. 14 C. 12 D. 6
11	From 2005 to 2006 the number of male earning PhD increased by s%, and the number of female earning PhD decreased by t%. What is the value of s-t?	A. 225 B. 200 C. 275 D. 250
12	Question Image	A. 30 B. 45 C. 40 D. 35
	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.	
13	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

$x^4 x^5$

Column B

$(x^3)^2$

$(x > 0)$

14

At last month's symposium on the increasing air pollution affecting the Beaumont forest, most participating members favored uniform controls on the quality of exhaust fumes, whether or not specific environmental damage could be attributed to a particular source of fumes. What must, of course, be shown, in order to avoid excessively restrictive controls, is that _____

Q:Which of the following, best completes the passage below?

A. Any uniform controls that are adopted are likely to be implemented without delay
B. Environmental damage already inflicted on the Beaumont forest is reversible
C. The members favoring uniform controls are those representing bodies that generate the largest quantities of exhaust fumes
D. Any substance to be made subject to controls can actually cause environmental damage

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15

Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books, but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week.

Q:Which of the following, if true, casts doubt on the claim that most people read the books they purchase?

A. Regular book readers are most susceptible to eye diseases
B. Readers often exaggerate about their book reading
C. Many people buy books to pretend themselves as a scholar
D. The sale of novels is more than that of other types

16

If $3x + 17 = 9 - x$, what is the value of x ?

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

17

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

18

The length of a rectangle is twice its width. If the perimeter of a rectangle is the same as the perimeter of a square of size 9, what is the length of a diagonal of the rectangle ?

A. 180
B. $3\sqrt{5}$
C. 36
D. $6\sqrt{5}$

19

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.

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.

Column A

$(-12)^n$

Column B

$(-12)^{n+1}$

(n is a positive integer)

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

20

The surface area of sphere of radius 3 1/2 cm is:

A. 130 sq.cm
B. 69 sq.com
C. 154 sq.cm
D. 98 sq.cm