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

Sr	Questions	Answers Choice
1	If x is a positive number and $x2 + 36 = 100$, what is the value of x ?	A. 6 B. 8 C. 14 D. 64
2	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
3	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 3/4 D. 333 1/3
4	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** $5/\sqrt{6}$ **Column B** $5\sqrt{2}/\sqrt{12}$	A. A B. B C. C D. D
5	If $3y = 7$, the value of $6y - 3$ is:	A. 39 B. 13 C. 11 D. 10
6	Question Image	A. 256 B. 64π C. 256π D. 64(4 - π)
7	Saima bought two black pencils and three red pencils for Rs.23. After a week, she bought three black pencils and two red pencils for Rs. 16. If price of pencils remained the same for both transactions, how much she paid for one black pencil?	A. 2 B. 3 C. 4 D. 5
8	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-knows paintings are unavailable for use in packaging D. Manufacturers will continue to use graphic artists to imitate the artistic style of famous painters

9	The size of the square which can be made using 256 square shapes with a side length of 6 cm is:	A. 16 cm B. 36 cm C. 2.67 (approx) cm D. 96 cm

10	Question Image	A. 50 B. 75 C. 25 D. 65

11

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
13/14 of 15/16
Column B
16/17

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

12

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
2^{5-1}
Column B
$2^5 - 1$

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

13	Question Image	A. 100° B. 60° C. 80° D. 40°

14	4/9 of a number is 12. What is the number ?	A. 27 B. 36 C. 18 D. 16

15

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
$3/2\sqrt{6}$
Column B
$\sqrt{6}/4$

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

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

| 16 | Question Image | B. πr^2 + πR^2
 C. $\pi^2(R + r)(R - r)$
 D. $\pi(R + r)(R - r)$ |

| 17 | Although most of the lucrative jobs in Pakistan willequire a college degree, many of the new jobs require knowledge other than that gained in college or university. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career.
 Q:From the information given above it can be validly concluded that, in today's economy. | A. Employment agencies should conduct communication and mathematics classes
 B. All colleges and universities are worthless
 C. People should train their children for technical work
 D. Skills in reading, communication, and mathematics play an important role in developing a successful career |

| 18 | The total number of eighths in 3 3/4 is: | A. 15
 B. 54
 C. 30
 D. 24 |

| 19 | What is the least of three consecutive integers whose sum is 18? | A. 2
 B. 3
 C. 4
 D. 5 |

| 20 | Find the greatest number of 4 digits which when divided by 18,24,30 and 36 leaves a remainder 17 in each case. | A. 360
 B. 9360
 C. 3600
 D. 9377 |