GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	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. Q:Which of the following, if true, would most seriously weaken the education officials' explanation for the lower incidence of the disease?	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 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
2	a has to be a whole number such that $0 \le a \le 10$. The solution for $a < 4$ and $a \ge 6$ is:	A. 5 B. 7 C. 3 D. no solution
3	Ahmed has a rectangular garden measuring 4.32m by 3.36m. He wants to divide it into square plots of equal size. What is largest sized square the can use?	A. 0.24 B. $\sqrt{3}$ C. 0.48m D. 0.16
4	Question Image	A. 125 sq.cm B. 150.72 sq.cm C. 64 sq.cm D. 56 sq.cm
5	Three business partners shares have profit of Rs. 24000 in the ratio 5 : 4 : 3. What is the amount of the least share ?	A. 6000 B. 8000 C. 10,000 D. 1200
6	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** The average of the old integers from 1 to 100. **Column B** The average of the even integers from 1 to 100.	A. A B. B C. C D. D
7	A legislator proposes that communities should therefore be required to adopt filtering systems and to reach the target of filtering 50 percent of all tap water within 5 years. Q:Which of the following, if true, most seriously calls into question the advisability of implementing the proposal?	A. Existing filtering systems programs have been private and voluntary, with citizen participation ranging from 25 percent in some communities to 70 percent in others B. Existing filtering programs have been restricted to the tap water that is ingested by humans C. Existing filtering programs have had recurrent difficulties selling their filtering systems privately usually because the quantities filtered are too smallto be affordable for most families D. Some of the materials filtered out of the water are materials that can be used for other purposes E.

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
1 - a/b
Column B
b - a/b

b ≠ 0

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

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9 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

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10 Ayesha and Bisma together have $20. Bisma and Adnan together have $16. Ayesha and Adnan together have $24. What is the smallest number of dollars that any girl has alone?

A. 4
B. 6
C. 10
D. 24

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11 If 35 students took an exam and 13 of failed, what percent of them passed?

A. 20% approx
B. 63% approx
C. 25% approx
D. 22% approx

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12 Uzma is 15 years old. Asma is one third older then Uzma. How many years ago when Asma was twice as old as Uzma is ?

A. 5
B. 12
C. 15
D. 10

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13 Question Image

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

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14 The value of $(5x + 6)(x + 12) - (5x - 6)(x + 3)$ is:

A. $2(5x^2 + 9x)$
B. 14
C. 4
D. 22

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15 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

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16 The length of a rectangle is 3 more than the side of a square, and the width of the rectangle is 3 less than the side of the square. If the area of the square is 58, what is the area of the rectangle ?

A. 40
B. 20
C. 39
D. 49

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17 A poster in an eye clinic advises people, who have received eye drops X that blur vision, refrain from driving until they can do so safely. In a Gov't initiated hospital study, however, subjects questioned immediately after they received such drops and underestimated the time necessary to regain their driving ability. This result indicates that many people with eye drops X will be unlikely to follow the advice.
Q:Which of the following, if true, most strongly supports the argument above?

A. Many people, if they know they will receive eye drops X, make arrangements beforehand for a friend or relative to drive them home
B. The subjects in the hospital study generally rated their abilities more conservatively than they would if they were outside the framework of a scientific experiment
C. Some people ask their doctors not to give them eye drops X that blur vision if they will have to drive to get

		vision if they will have to drive to get home afterward D. The subjects in the study were also questioned about the time necessary to regain abilities that do not play an important role in driving safely
18	Excavations on the now uninhabited isle of Kelton reveal a scene typical of towns decimated by volcanic ash. Archaeologists have hypothesized that the destruction was due to volcanic activity known to have occurred in the vicinity of the island in 160 B. C. Q:Which of the following, if true, most strongly supports the archaeologist's' hypothesis?	A. No coins minted after 160 B.C. were found in Kelton, but coins minted before that year were found in abundance B. Pieces of gold and pearl jewelry that are often found in graves dating from years preceding and following 160 B.C. were also found in several graves on the island. C. Most modern histories of the region mention that several major volcanoes eruptions occurred near the island in 160 B.C D. Several small jugs carved in styles popular in the region in the century between 200 B.C. and 100 B.C. were found in Kelton
19	Question Image	A. Area of Δ<i>POR</i> > Area of Δ<i>ORS</i> B. Area of Δ<i>POR</i> = Area of Δ<i>ORS</i> C. Area of Δ<i>ORS</i> > Area of Δ<i>POR</i> D. ΔPOR ≡ Δ<i>ORS</i>
20	If Myra had bowling scores of b + 6, b - 2, b + 4, and b - 5, what must she score in the next game to get an overall average of b + 2?	A. b + 7 B. b - 3 C. b + 3 D. b - 7