

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	What is the probability of getting all six in a single throw of three unbiased dice?	A. 1/6 B. 125/216 C. 1/36 D. 1/216
2	A rectangular field which is twice as long as it is broad, has an area of 14450 m ² , what is its perimeter ?	A. 85 m B. 510 m C. 165 m D. 170 m
3	If 5 is subtracted from a certain number, the result is 7 less than twice the number. What is the number ?	A. 2 B. 1/2 C. 5 D. 6
4	Question Image	A. 7 B. 15 C. 25 D. 35
5	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 B. 622 m C. 97344 m D. 459 m
6	What is the value of the function $k(x) = x^2 - 2$ when $x = 7$?	A. 5 B. 9 C. 45 D. 47 E. 51
7	If 60% of A is 30% of B, then B is what percent of A ?	A. 300% B. 30% C. 200% D. 3%
8	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
9	The volume of a cube is 216, its surface area is:	A. 64 B. 216 C. 25 D. 96
10	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 $(2/7)^2$ Column B $\sqrt{2/7}$	A. A B. B C. C D. D
11	Question Image	A. $2 + 3\sqrt{2}$ B. 8 C. $4 + 5\sqrt{2}$

12 If $A > B$ and $C < 0$, then which of the following is not true ?

- A. $AC \leq BC$
- B. $A + C \geq B + C$
- C. $A - C \leq B - C$
- D. All of the above

13

A small furniture store uses a software program called Blaze to do its basic bookkeeping. There is good reason to believe that the accounting it provides is inaccurate. Several times when the accounts were carefully calculated by a bookkeeper using an adding machine, the resulting total differed from the total the computer gave.
Q: The furniture store manager's reasoning relies on which of the following assumptions?

- A. The criteria that the computer uses in determining what items are included in the accounting of a particular month differ from the criteria the bookkeeper uses
- B. The inaccuracy of the computer's accounting does not result from a malfunction of the computer itself
- C. It would be possible to modify the computer so that it calculated the store's accounts more accurately.
- D. A careful calculation by the bookkeeper using an adding machine is unlikely to be less accurate than the computer's accounting

14

If $x - 5 = 9$, what is the value of $x^2 - 5$?

- A. 196
- B. 191
- C. 16
- D. 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.

15

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Column A

The average (arithmetic mean) of $2x$ and $2y$

Column B

180°

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

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Column A

a

Column B

b

$(82a = 43b)$

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

17

Saira weighs 25 pounds more than Umbar. If together they weigh 205 pounds, what is the weight of Saira ?

- A. 90
- B. 105
- C. 115
- D. 135

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- 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.

18

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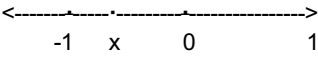
- A. A
- B. B
- C. C
- D. D

Column A

4x

Column B

x⁴



19

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. √3
- C. 0.48m
- D. 0.16

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20

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

Column A

x

Column B

(11/13)⁵

x⁵ = 11/13