GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	A square lawn having area 0.25 sq km has to be enclosed with iron railings at the rate of Rs. 10100 per metre. What will be its cost ?	A. Rs. 20200 B. Rs. 2000 C. Rs. 202000 D. Rs. 100100
2	Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received apassing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades. Q:The argument,above is flawed in that it ignored the possibility that.	A. A large number of the teacher's student were in his class the previous year B. Many teachers find it difficult to be objective when assigning grades to male and female students C. The evidence shows that more than 92% of the female students should have received a passing grade D. The majority of tests written by female students and that have been rechecked by another teacher were given a higher grade by the second teacher
3	A triangle has sides, 5 inches, 12 inches and 13 inches, respectively, A rectangle equal in area to that of the triangle has width of 4 inches. The perimeter of the rectangle, expressed in inches, is:	A. 23 B. 28 C. 60 D. 32
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 colurmns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** The average (arithmetic mean) of the measures of the three angles of an equilateral triangle. **Column B** The average (arithmetic mean) of the measure of the three angles of a right triangle.	A. A B. B C. C D. D
5	The total number of eighths in 3 3/4 is:	A. 15 B. 54 C. 30 D. 24
6	In a squash tournament that has 75 entrants, a player is eliminated whenever he loses a match. How many matches will be played in the entire tournament ?	A. 74 B. 18 C. 34 D. 36
7	If the sum of two numbers is 36, and the larger is three times as larger as the smaller, what is the larger number ?	A. 27 B. 30 C. 15 D. 18
8	The greatest number which divides 2400 and 3600 leaving 48 and 60 respectively, as remainder is:	A. 9 B. 7 C. 17 D. 10
9	If the angles of a hexagon are in the ratio 2 : 4 : 4 : 4 : 5 : 5, what is the degree measure of the smallest angle ?	A. 30 B. 60 C. 40 D. 70

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Column A
$(\sqrt{7})^2 + (\sqrt{7})^3$
Column B
$1/\sqrt{7}$

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

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11 The average of x,y,z and 40 is 10. What is the average of x,y and z.

A. 10
B. 0
C. 2
D. 15

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12 If $5x + 12 = 44$, what is the value of $5x - 12$?

A. 24
B. 32
C. 20
D. 22

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13 A man present age is x years. If his age in 8 years will be 4/5 of what it will be in 20 years, then his present age is:

A. 45
B. 25
C. 30
D. 40

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14 4/9 of a number is 12. What is the number ?

A. 27
B. 36
C. 18
D. 16

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15 Acme brand aspirin claims to be the best headache relief available on the market today. To prove this claim, Acme called 10 people and asked them their thoughts on headache relief products. All 10 of them stated that they . unequivocally use Acme brand aspirin on a regular basis and that they believe it to be the best headache relief available on the market today.
Q:Which of the following would most weaken this argument?

A. Acme brand aspirin is highly addictive
B. The 10 people called were spouses of Acme employees
C. Most people choose to suffer silently through their headaches and take no medicines whatsoever
D. The 10 people called own stock in a competing company

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16 The average income of a family of 6 members is Rs. 5000. The income of two of them is Rs.12000. What is income of the remaining 3 persons?

A. 120000
B. 90000
C. 5000
D. 18000

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17 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

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18 If P represents the area and W represents the circumference of the circle, then P in terms of W is:

A. $2\pi/W$
B. $4\pi^2/W$
C. $2\pi^2/W^2$
D. $W^2/4\pi$

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19 If the radius of the circle is decreased by 20%, what happens the area ?

A. 10% in crease
B. 20% decrease
C. 80% increase
D. 36% decrease

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20 The product of two numbers is 2500. If their L.C.M is 125, then their H.C.F is:

A. 20
B. 250
C. 125
D. None of these