GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	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
2	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
3	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part 1 butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. 25 3/5 B. 5 3/5 C. 20 D. 128
4	In a screeening process of 5600 candidates, 20% of the candidates were disqualified in the first test. In the second test 40% of the first test qualifiers were disqualified. How many candidates qualified the test?	A. 2688 B. 1344 C. 3600 D. 5000
5	If $2x + 5y = 18$ and $x = 4$ then what is the value of y?	A. 2 B. 3 C. 4 D. 5
6	A and B do a job together in two hours.Working alone A does the job in 5 hours.How long will it take B to do the job alone?	A. 2 hrs B. 3 hrs C. 1 hrs D. 3 1/3 hrs
7	Question Image	A. 24 B. 30 C. 35 D. 36
8	What percent of 75 is x ?	A. $3/4 - x$ B. $4/3 x$ C. $4x$ D. $3x$
9	A bag contains 20 marbles: 6 green, 10 brown, and 4 white. If one marble is removed randomly, what is the minimum number that must be removed to be certain that you have at least 2 marbles of each colour	A. 16 B. 18 C. 10 D. 15
10	A circle whose center is at (3, 4) passes through the origin. Which of the following points is not on the circle ?	A. (-1, 3) B. (-1, 1) C. (0, 0) D. (7, 7)
11	A farmer wants to fence a triangular field. He plans to put a fencing post in each corner and place other posts at equal distance along its sides. He wants the posts to be as far apart as possible. The sides of the field are 477 feet 2412 feet and 636 long. How far apart will the posts be ?	A. 18 feet B. 9 feet C. 27 feet D. 159 feet
12	Question Image	A. p = 180 + q B. q = 30 + p C. p = 90 + q D. p = 60 - q
13	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
14	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
15	Question Image	A. 2 B. 4 C. 2√2 D. 4√2

16	Two spinning machines A and B can together produce 300,000 meters of cloth in 10 hours. If machine B alone can produce the same amount of cloth in 15 hours, how much cloth can machine A produce alone in 10 hours?	A. 200,000 meters B. 100,000 meters C. 150,000 neters D. 50,000 meters E. 250,000 meters
17	Question Image	A. 28 - 2x B. 4(14 - 4x) C. 48 - 3x D. 7(6 - 3x)
18	If a < c and a < b, assume a ≥ 0 then which of the following statements are always true ? i. b < c ii. a < bc iii. 2a < b + c	A. only 1 B. only 2 C. only 3 D. 1 and 2
19	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
20	A machine produces 1280 parts in 16 hours. How many parts would it make in a working week of 44 hours ?	A. 2530 B. 3520 C. 2122 D. 3960