GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If a circle is inscribed in a square of area 4, then the area of the circle is:	A. π B. π/2 C. π/4 D. 3π/4
2	If 1/2 *x* + 1/4 *x* + 1/8 *x* = 22, what is the value of *x* ?	A. 88 B. 44 C. 1 D. 24
3	If it takes 4 days for 3 machines to do a certain job, how many days are required to complete the job by two machines?	A. 6 days B. 2 days C. 5 days D. 3 days
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** 6√24 **Column B** 12√6	A. A B. B C. C D. D
5	Question Image	A. 70^o B. 60^o C. 75^o D. 65^o
6	Question Image	A. 35 B. 25 C. 27 D. 50
7	What is the least positive integer which is to be added to 57592910 so that the sum may be a perfect square ?	A. 7588 B. 7 C. 11 D. 15166
8	The surface area of a cube is 180, its volume is:	A. 125 B. 30 C. 164 D. 30√30
9	In his wardrobe, Tahir has 3 trousers.One of them is black, the second blue, and the third brown. In his wardrobe, he also has 4 shirts. One of them is black and other 3 are white. He open his wardrobe in the dark and picks out one shirt - trouser pair, without examining the color. What is the likelihood that neither the shirt the trouser is black?	A. 1/12 B. 1/6 C. 1/4 D. 1/3 E. 1/2
10	The first five multiples of 17 are:	A. 0, 1, 17, 34, 51 B. 17, 34, 51, 68, 85 C. 38, 57, 76, 95, 114 D. None of these
11	Question Image	A. 25.25 B. 36.5 C. 42.5 D. 35
		A. 304

12	When 42 is added to twice a number, the result is 346, the number is:	B. 242 C. 152 D. 265
13	The slope of the line passing through (-b, b) and (3b, a) is 1 and b ≠ 0, which of the following is an expression for a in terms of b ?	A. 1/4b B. 3b C. 5b D. 2b E. 4b
14	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√6 **Column B** √6/4	A. A B. B C. C D. D
15	If 2m= 4x and 2w= 8x, what is m in terms of w?	A. w - 1 B. w + 1 C. 2w - 1 D. 2w + 1
16	If 6 - a > 7, then	A. a > 1 B. a > -1 C. a < -1 D. a < 1
17	If the height of a cylinder is double to its circumference, what is the volume of the cylinder in terms of its circumference, C ?	A. C/π B. C³/π C. C³/4π² D. C³/2π
18	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 (arithmetic mean) of 3,4 and 5 **Column B** The average (arithmetic mean) of 2,3,7 and 8	A. A B. B C. C D. D
19	How many odd numbers of three digits each can be formed from the digits 2, 4, 6, and 7 if repetition of digits is permitted?	A. 6 B. 27 C. 24 D. 16
20	Question Image	A. 50 B. 75 C. 25 D. 65