GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	The average of a,b,s , and t is 6 and the average of s and t is 3. What is the average of a and b?	A. 3 B. 18 C. 9 D. 12
2	What is the average of x, y and z ? If $x + y = 5$, $y + z = 8$ and $x + z = 11$.	A. 11/3 B. 1/2 C. 13/5 D. 4
3	Companies in the country of Jilsan sell transistor radios in the country of Kabana at a price that is below what it costs Kabanian companies to produce them. To help those Kabanian companies, the Kabanian legislature plans to set a minimum selling price for transistor radios imported into Kabana from Jilsan that is twelve percent greater than the average production costs for companies in Kabana. Q:Which of the following, if true, most seriously threatens the success of the plan?	A. The annual rate of inflation in Jilsan is expected to exceed twelve percent within the next year B. Kabana is not the only country where Jilsan manufacturers currently sell transistor radios C. Some Kabanian companies that sell transistor radios have announced that they plan to decrease their price for transistor radios D. Emerging companies in countries other than Jilsan will be able to sell transistor radios in Kabana at a price below what it costs Kabanian companies to manufacture them
4	What fraction is exactly midway between 1/3 and 1/4 ?	A. 7/12 B. 7/24 C. 29/11 D. 1/2
5	If the base of a rectangle is increased by 40% and its altitude is decreased by 20% then its area is:	A. decreased by 20% B. increased by 12% C. decreased by 12% D. increased by 16%
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 (arithmetic mean) of 2x and 2y **Column B** 180°	A. A B. B C. C D. D
7	Question Image	A. 49 B. 39 C. 59 D. 69
8	How many two-digit numbers are there which are divisible by 6 ?	A. 17 B. 18 C. 16 D. 15
9	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 rule of supply over the

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 $(-12)^n$ Column B $(-12)^{n+1}$ (n is a positive integer)	A. A B. B C. C D. D

11	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

12	Question Image	A. 2 B. 4 C. $2\sqrt2$ D. $4\sqrt2$

13	A cylinder and the cube have the same volume, if the height, h, of that cylinder is equal to the edge e of the cube, the radius of the cylinder is:	A. $\sqrt\pi/h$ B. π/h C. $h/\sqrt\pi$ D. $2\pi/h$

14	The smallest member of set W is:	A. 0 B. 1 C. 2 D. 3

15	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 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

16	Question Image	A. $\pi^2(r^2 - R^2)$ B. $\pi r^2 + \pi R^2$ C. $\pi^2(R + r)(R - r)$ D. $\pi(R + r)(R - r)$

17	If a line passes through the points (x, y) and $(1/x, y)$, then its slope is	A. $1/x$ B. 0 C. $1 - x^2/x$ D. 1

18	If C is the circumference of a circle of radius r, then which of the following statement is true ?	A. C/r < 6 B. C/r = 6 C. C/r > 6 D. C/r = π

		A. 25.25

19	Question Image	B. 36.5 C. 42.5 D. 35
20	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