GAT-C Agriculture, Veterinary, Biological & Related Science Quantitative

Sr	Questions	Answers Choice
1	A square, with perimeter 16, is inscribed in a circle, what is the area of the circle ?	A. 3π B. 2√2π C. 32π D. 8π
2	The volume of a cube is 216, its surface area is:	A. 64 B. 216 C. 25 D. 96
3	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 number of primes between 40 and 50. **Column B** The number of primes between 60 and 70	A. A B. B C. C D. D
4	The number of young adults that are illiterate has dropped significantly in a certain county over the last fifteen years. Education officials attribute this decrease entirely to improved conditions in the schools, which made for a better teaching environment, reducing the level of illiteracy. Q:Which of the following, if true, would most seriously weaken the education officials' explanation for the lower incidence of the disease?	A. Many similar improvements in school conditions have been made over the last twenty-five years in the county B. Home-schooling has not been more prevalent among the illiterate as compared to people who are not illiterate C. Because of a new assessment scale, many people who until this year would have been considered illiterate are now considered low-level readers D. The same percentage of the population has been tested every year for the last 30 years
5	The least number which when divided by 35, leaves remainder of 25; when divided by 45 leaves a remainder of 35 and when divided by 55 leaves 45 as remainder, is:	A. 3455 B. 3465 C. 3475 D. 10
6	Many community colleges suffer declining enrollments during periods of economic recession. At government retraining programs, which are not provided free of charge, enrollment figures boom during these periods when many people have less money and there is more competition for jobs. Q:Each of the following, if true, helps to explain the enrollment increases in government retraining programs above EXCEPT:	A. During periods of economic Slowdown, government retraining programs are more likely those community colleges to prepare their students for the jobs that are still available. B. During periods of economic prosperity, graduates of government retraining programs often continue their studies in community colleges C. Tuition at most government retraining programs is a fraction of that at community colleges D. Government retraining programs devote more resources than do other colleges to attracting those students especially affected by economic slowdowns.
		A. 15%

7	What percent of the students who failed the exam would have had to pass it, in order for percent of students passing the exam to be at least 77% out of 500 ?	B. 21% C. 23% D. 27%
8	The area of an equilateral triangle whose altitude is 10, is:	A. 8√3 B. 2√3 C. 96√3 D. 4√3
9	If 5 years are added to a man present age and that age is tripled, he will be 84. What is his present age ?	A. 18 B. 23 C. 32 D. 54
10	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
11	A legislator proposes that communities should therefore be required to adopt filtering systems and to reach the target of filtering 50 percent of all tap water within 5 years. Q:Which of the following, if true, most seriously calls into question the advisability of implementing the proposal?	A. Existing filtering systems programs have been private and voluntary, with citizen participation ranging from 25 percent in some communities to 70 percent in others B. Existing filtering programs have been restricted to the tap water that is ingested by humans C. Existing filtering programs have had recurrent difficulties selling their filtering systems privately usually because the quantities filtered are too smallto be affordable for most families D. Some of the materials filtered out of the water are materials that can be used for other purposes E.
12	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** 5/√6 **Column B** 5√2/√12	A. A B. B C. C D. D
13	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
14	If the ratio of a : b is 9 : 7 then a + b is:	A. 14 B. 16 C. 63 D. not possible
15	Question Image	A. 4 B. 4.5 C. 6 D. 1.5
16	A soap factory has 30 packers. Each packer can load 1/8 of a box in 9 minutes. How many boxes can be loaded in 1 1/2 hours by all 20 packers ?	A. 28 B. 37 1/2 C. 35 D. 35 1/2
17	If $x = 235$ and $y = 117$, then $x^2 - y^2/x-y$ = ?	A. 118 B. 100 C. 115 D. 352
18	The Positive difference between k and 1/8 is same as the positive difference between 1/2 and 1/3. Which of the following could be the value of K?	A. 1/7 B. 7/24 C. 23/24

	and 1/3. Which of the following could be the value of K?	C. 23/24 D. 1/6
19	The height of a triangle of base 3 cm and area 9 cm^2 is:	A. 6 cm B. 9 cm C. 18 cm D. 22 cm
20	It takes Riaz 30 minutes to mark a paper. Razi only need 25 minutes to mark a paper. If they both start marking papers at 11:00 A.M, what is the first time they will finish marking a paper at the same time?	A. 12:30 B. 12:45 C. 1:30 D. 12:25