GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	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
2	If 8 is 4 percent of k, then k is 4 percent of:	A. 5000 B. 4000 C. 800 D. 80
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** P **Column B** 0 (pq = 0)	A. A B. B C. C D. D
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** The remainder when a positive integer is divided by 5. **Column B** 5	A. A B. B C. C D. D
5	Ayesha completed questions 4 - 18 of a mathematics exercise in 30 minutes. At this rate, how long, in minutes, will it take her to complete questions 27 - 55 ?	A. 59 B. 29 C. 30 D. 58
6	Question Image	A. 89 B. 90.9 C. 89.9 D. 105
7	What is the average of first hundred natural numbers ?	A. 50 B. 50.5 C. 49.5 D. 100
8	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
9	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
10	Which of the following is the average of x^4 - 20, 40 - x^4, and 3x + 4 ?	A. x⁴ - 24 B. x + 8 C. x⁴ + 3x + 24 D. x + 24
11	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
12	The size of the square which can be made using 256 square shapes with a side length of 6 cm is:	A. 16 cm B. 36 cm C. 2.67 (approx) cm D. 96 cm
13	In a psychological experiment conducted at South Bay University, groups of men with various levels of education read stories in which people caused harm, some of them doing so intentionally, and some accidentally. When asked about appropriate penalizationfor those who had caused harm, the less educated men, unlike the educated ones, assigned punishments that did not vary according to whether the harm was done intentionally or accidentally. Uneducated men, then, do not regard people's intentions as relevant to penalization. Q:Which of the following, if true, would most seriously weaken the conclusion above?	A. In these stories, the severity of the harm produced was clearly stated B. In interpreting these stories, the listeners had to draw on a relatively feminine sense of human psychology in order to tell whether harm was produced intentionally or accidentally C. Relatively uneducated men are as likely to produce harm unintentionally as are more educated men D. The more educated men assigned penalization in a way that closely resembled the way women had assign penalization in a similar experiment
14	A poster in an eye clinic advises people, who have received eye drops X that blur vision, refrain from driving until they can do so safely. In a Gov't initiated hospital study, however, subjects questioned immediately after they received such drops and underestimated the time necessary to regain their driving ability. This result indicates that many people with eye drops X will be unlikely to follow the advice. Q:Which of the following, if true, most strongly supports the argument above?	A. Many people, if they know they will receive eye drops X, make arrangements beforehand for a friend or relative to drive them home B. The subjects in the hospital study generally rated their abilities more conservatively than they would if they were outside the framework of a scientific experiment C. Some people ask their doctors not to give them eye drops X that blur vision if they will have to drive to get home afterward D. The subjects in the study were also questioned about the time necessary to regain abilities that do not play an important role in driving safely
15	The least prime number is:	A. 0 B. 1 C. 2 D. 3
16	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** Q1.The product of the odd integers between -8 and 8. **Column B** Q1.The product of the even integers between -9 and 9.	A. A B. B C. C D. D
17	Question Image	A. 12 cm² B. 25 cm² C. 9 cm² D. 17.23 cm²
18	If x is a positive number and x2 + 36 = 100, what is the value of x ?	A. 6 B. 8 C. 14

		D. 64
19	If #n = $(n-5)^2$+ 5, then find #3 x #5.	A. 50 B. 55 C. 30 D. 40 E. 45
20	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