GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	How many numbers between 200 and 500 are divisible by 13 ?	A. 23 B. 17 C. 15 D. 32
2	A bag has 7 marbles, one of each of colours, green, blue, brown, yellow, red, white and pink. If 6 marbles are removed from the bag, what is the probability that the red one was removed ?	A. 1/7 B. 4/3 C. 2/7 D. 6/7
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** x **Column B** 5 1/x = 5	A. A B. B C. C D. D
4	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
5	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** 4/7 of x **Column B** 0 (2/5 of x equals 5/4 of x)	A. A B. B C. C D. D
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.	A. A B. B

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7	The least prime number is:	A. 0 B. 1 C. 2 D. 3
8	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
9	The average of x,y,z and 40 is 10. What is the average of x,y and z.	A. 10 B. 0 C. 2 D. 15
10	A worker is paid R rupees per hours for the first 8 hours daily. For every hour after the first 8 hours, she is paid S rupees per hour. If she works 12 hours in one day, what is her average hourly for the day ?	A. 8R + S B. 8R + 4S/4 C. 12R - 8S/4 D. 2R + S/3
11	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** x **Column B** y x and y are positive 1/x = 1 + 1/y	A. A B. B C. C D. D
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** The average (arithmetic mean) of 15,215,415 **Column B** The average (arithmetic mean) of 0,15,215,413	A. A B. B C. C D. D
13	If three times of a number is 6 more than twice the number, What is the value of the number?	A. 2 B. 4 C. 6 D. 8
14	If $x^2 - y^2 = 16$ and $x^2 + y^2 = 34$, which of the following could be the value of xy ? i. 15 ii. -15 iii. 45	A. only 1 B. only 2 C. 1 and 2 only D. 3 only

		D. 3 only
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 product of the integers. **Column B** The average of the integers.	A. A B. B C. C D. D
16	If (p - 3)(p + 5) > (p - 3)(p + 8), what is the best description of p?	A. p = 3 B. -8 < p < -5 C. p = { } D. p < 3
17	The Burmese ferret badger burrows its home in the ground. Based on the fact that different local populations of Burmese ferret badgers of the same species dig homes of different styles, zoologists have concluded that the badgers building styles are a culturally acquired, rather than a genetically transmitted, trait. Q:Which of the following, if true, would most strengthen the conclusion drawn by the zoologists?	A. There are more common characteristics than there are differences among the Burmese ferret badger's styles of the local Burmese ferret badger population that has been studied most extensively B. Young Burmese ferret badgers are inept at digging burrows and apparently spend years watching their eldersbefore becoming accomplished in the local style C. The homes of one species of badger lack the characteristics of the homes of most other species of badger D. Burmese ferret badgers are found only in Burma and India, where local populations of the badgers apparently seldom have contact with one another
18	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
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	There are 20 boys in a class. Five of them are left-handed. What fraction of the class is left handed ?	A. 1/5 B. 1/2 C. 1/4 D. 2/11 E.