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

Sr	Questions	Answers Choice
1	An oil burner in a housing development burns 76 gallons of fuel oil per hour. At 9 A.M on a very cold day, the superintendent asks the housing manager to put in an emergency order for more fuel oil.At that time,he reports that he has on hand 266 gallons. At noon, he again comes to the manager, notifying him that no oil has been delivered. The maximum amount of time that he can continue to furnish heat without receiving more oil is	A. 1/2 hr B. 1 hr C. 1 1/2 hr D. 2 hr
2	The average of five numbers is 54. If three of the numbers are 26, 28 and 30, what is the average of the other two ?	A. 91 B. 93 C. 54 D. 186
3	Saima bought two black pencils and three red pencils for Rs.23. After a week, she bought three black pencils and two red pencils for Rs. 16. If price of pencils remained the same for both transactions, how much she paid for one black pencil?	A. 2 B. 3 C. 4 D. 5
4	Which of the following operations has same effect as multiplying by 0.5?	A. Multiplying by 1/2 B. Multiplying by 2 C. Dividing by 1/2 D. Dividing by 3
5	What percent of 75 is x ?	A. $3/4 - x$ B. $4/3 \, x$ C. $4x$ D. $3x$
6	In some cities, many potters have been winning acclaim as artists. But since pottery must be useful, potters must exercise their craft with an eye to the practical utility of their product. For this reason, pottery is not an art. Q:Which of the following is an assumption that supports drawing the conclusion above from the reason given for that conclusion?	A. Some plates, bowl and vessels are made to be placed in museums where they will not be used by anyone B. Some potters are more concerned than ()filers with the practical utility of the products they produce C. Potters should be more concerned with the practical utility of their products than they currently are D. An object is not an art object if its maker pays attention to the objects' practical utility
7	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** 9^2 **Column B** 3^4 $(8^{2a} = 4^{3b})$	A. A B. B C. C D. D
8	How many numbers between 200 and 500 are divisible by 13 ?	A. 23 B. 17 C. 15 D. 32
9	If a square of area 3 is inscribed in a circle, then the area of the circle is:	A. $9/4 \, \pi$ B. $9\pi^2$ C. 3π D. $\sqrt{3} \, \pi$
10	Ayesha and Bisma together have $20. Bisma and Adnan together have $16. Ayesha and Adnan together have $24. What is the smallest number of dollars that any girl has alone?	A. 4 B. 6 C. 10

Adnan together have $24. What is the smallest number of dollars that any girl has alone?

C. 10
D. 24

11	The total number of even prime numbers is:	A. 0 B. 1 C. 2 D. None of these

12	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

13	Clarinet reeds often lose their freshness - become less responsive - after a few weeks of intense use. One clarinetist has hypothesized that a buildup of oil, rather than changes in the material properties of the reed, were responsible. Q:Which of the following investigations is most likely to yield significant information that would help to evaluate the hypothesis?	A. Determining what kind of wood is used to make the reeds used by jazz clarinetists B. Determining whether jazz clarinetists make their reeds lose their freshness faster than do classical clarinetists C. Determining whether identical lengths of reeds, of the same thickness, lose their freshness at different rates when put onto various brands of clarinets D. Determining whether rubbing various substances on the new reed causes them to lose their freshness.

14	There are twice as many boys a girls in an economics class. If 20% of the boys and 35% of the girls have already handed over their result cards, that percent of the students have not yet handed over their cards ?	A. 75 B. 65 C. 55 D. 15

15	If the angles of a hexagon are in the ratio 2 : 4 : 4 : 4 : 5 : 5, what is the degree measure of the smallest angle ?	A. 30 B. 60 C. 40 D. 70

16	Asim had an average of 60 on his first four math tests. After taking the next test, his average dropped to 58. Find his recent test grade.	A. 40 B. 50 C. 48 D. 32

17	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

18	The product of $\sqrt{24a}$ and $\sqrt{6a}$ is:	A. 12a B. $6a^2$ C. $12a^2$ D. $3a\sqrt{8}$

19	If Dabeer is 1/3rd the age of his father Agha Jameel now, and was 1/4th the age of his father 5 years ago, how old will his father 5 years ago, how old will his father Agha Jameel be 5 years from now?	A. 20 B. 45 C. 40 D. 50 E. 15

20	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** z	A. A B. B C. C D. D

Column B

y

The average (arithmetic mean) of x and y is greater than the average of x and z..