

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

| Sr | Questions | Answers Choice |
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| 1 | 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 |
| 2 | In an vitro study, 160 white cats were injected with saltx. 160 other white cats were injected with placebo. In two weeks, 39% of the white cats, who were injected with SaltX showed symtoms of Kay fever? Hence, it can be concluded that Kay fever is caused by some elements similar to the elements in SaltX.Q:Which of the following would most strengthen the argument above? | A. Some of the elements in SaltX are extracted from the root of a certain polsonous herb of Hunzaroot of a certain poisonous herb of Hunza B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally found in salt X C. Almost all the white cats died within two days after the first symptom appeared D. Normally the rate of Kay fever among white cats is less than 0.01% E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever |
| 3 | Which is the greatest? | A. 4/9 B. 5/11 C. 8/15 D. 9/17 |
| 4 | A small furniture store uses a software program called Blaze to do its basic bookkeeping. There is good reason to believe that the accounting it provides is inaccurate. Several times when the accounts were carefully calculated by a bookkeeper using an adding machine, the resulting total differed from the total the computer gave. Q:The furniture store manager's reasoning relies on which of the following assumptions? | A. <div>The criteria that the computer uses in determining what items are included in the accounting of a particular month differ from the criteria the bookkeeper uses</div> B. <div>The inaccuracy of the computer's accounting does not result from a malfunction of the computer itself</div> C. <div>It would be possible to modify the computer so that it calculated the store's accounts more accurately. </div> D. <div>A careful calculation by the bookkeeper using an adding machine is unlikely to be less accurate than the computer's accounting</div> |
| 5 | A total of 60 drawing note books were sold. If 20 percent of the first 20 sold were in color, 40 percent of the next 30 sold were in color, and 80 percent of the last 10 sold were in color, what percent of the 60 note books were in color? | A. 30% B. 40% C. 60% D. 20% |
| 6 | 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. |
| 7 | A recipe requires 13 gram of sugar and 18 gram of flour. If only 100 gram of sugar is used, how much flour, to the nearest gram, should be used ? | A. 16 B. 13 C. 14 D. 17 |
| 8 | If $81^{10} = 3^{x-7}$, what is the value of x? | A. 47 B. 27 C. 51 |

| | | D. 14 |
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| 9 | The smallest 4-digit number using 7, 0, 8 and 9 is: | A. 0879 B. 0789 C. 0978 D. 7890 |
| 10 | If the mean (average) of 6 numbers is 4.5. What is the sum of the numbers? | A. 0.75 B. 10.5 C. 12 D. 27 |
| 11 | Green paint is obtained from blue and yellow paint in the ratio 3:5. How much of each colour is needed to make 40 litres of this green paint? | A. Blue paint 15 litres, yellow paint: 25 litres B. Blue paint: 25 litres, yellow paint: 15 litres C. Blue paint: 10 litres, yellow paint: 30 litres D. Blue paint: 13 litres, yellow paint: 27 litres |
| 12 | What is the value of $x^2 + 14x + 24$, when $x=854$? | A. 1000 B. 100,000 C. 741,296 D. 742,398 |
| 13 | 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. A B. B C. C D. D |
| | 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 0/√8 Column B 1 | |
| 14 | A man bought 20 used laptops at \$200 each, 9 at \$300 each, and 6 at \$100 each. Find the average price per laptops | A. \$250.55 B. \$208.57 C. \$400.50 D. \$380 |
| 15 | 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 |
| 16 | If p^2 - q^2 = 48 and p - q = 12, what is the average of p and q? | A. 4 B. 6 C. 2 D. 12 |
| 17 | Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice. Q:Any of the following, if introduced into the argument as an additional premise, makes theargument above logically correct EXCEPT: | A. Wheat and oats have the same nutritional value B. Rye has more nutritional value than oats C. Rye has more nutritional value than rice D. Oats have more nutritional value than whea |
| 18 | In a school of 820 students, 55% are boys. The number of girls and the number of boys are: | A. 369 boys, 451 girls B. 281 boys, 539 girls C. 539 boys, 281 girls D. 451 boys, 369 girls |
| | 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. | |
| 19 | Notes Sometimes in certain question information concerning one or both the | A. A B. B |

| 10 | 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. | C. C D. D |
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| | 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. | |
| 20 | Question Image | A. 50 B. 20 C. 35 D. 10 |