

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice	
Si	A neon sign flashes every 3 seconds, another sign flashes every 5 seconds, and a third	A. 15 seconds	
1	flashes every 7 seconds. If they all flash together, how many seconds will pas before they all flash simultaneously again?	B. 35 seconds C. 105 seconds D. 21 seconds	
2	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	
3	Zahid has refused to work hard for the exam preparation; therefore, no more pocket money from his father should be provided to him. Q:Which of the following is an assumption made in the argument above?	A. Zahid is a dull student B. Pocket money of his brother Abid is more C. Money has no importance in Zahid's life D. Zahid is a greedy boy, and demand more metay from his father	
4	What is the perimeter of ΔCEA , in the figure 1 ?	A. 16 B. 25 C. 17 D. 2 + 7 √5 + √277	
5	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 statements would most seriously weaken the above discussion?	A. People suffering from Kay fever are the victims of the golden viper of Sindh B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment C. The natural habitats of white cats does not contain any of the elements found in Salt X D. The 160 white cats used in the experiment were kept isolated from each other	
6	In many hospitals, more and more monitoring is being carried out by automated equipment instead of humanemployees who previously carried out the work. This is done in an attempt to save hospital expenses. However, many employees who lose their jobs to automation will need government assistance to get by, and the same corporations that are laying people off will eventually pay for that assistance through increased taxes and unemployment insurance payments. Q:Which of the following, if true, most strengthens the author's argument?	A. Most of the new jobs created by automated equipment pay less than the jobs that were eliminated by automated equipment did B. Many hospitals that have failed to automate have seen their profits decline C. Unemployment insurance and taxes are paid also by corporations that are not automating D. Many workers who have already lost their jobs to automated equipment have been unable to find new employment	
7	If A(-2, 3) and B(5, -1) are the endpoints of one side of a square ABCD, what is the area of the square ?	A. 20 B. 65 C. 30 D. 35	
8	If $(5^a)(5^b) = 5^c/5^d$, what is d in terms of a, b and c?	A. a + b -c B. a - b + c C. a + b + c D. c - a - b	
9	If the average of 3,5, 10 and S is 6, what is the value of S?	A. 4 B. 6 C. 12 D. 0	
10	If 80 % application to a program were rejected, what is the ratio of the number accepted to the number rejected ?	A. 1:4 B. 4:1 C. 1:8 D. 3:8	
11	If $x^2 + y^2 = 9$ and $(x - y)^2 = 3$, what is the value of xy ?	A. 16 B. 9 C. 6 D. 3	

12	The average of the first 35 positive integers is:	A. 13 B. 17 C. 18 D. 19
13	Question Image	A. Volume of the cube is less than the volume of the box B. Volume of the cube is greater than the volume of box C. Volume of the cube is equal to the volume of box D. The surface area of both cube and box are equal
14	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 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
15	Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books, but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week. Q:Which of the following, if true, casts doubt on the claim that most people read the books they purchase?	A. Regular book readers are most susceptible to eye diseases B. Readers often exaggerate about their book reading C. Many people buy books to pretend themselves as a scholar D. The sale of novels is more than that of other types
16	Certain upgrades need to be made on each of the computers owned by Sami Publishers. The work of upgrading their 20 computers is mentally taxing. Employees are using the computers during the day, making it difficult for the computer technician to coordinate the block of time needed to work on each computer. Therefore, the most efficient time to upgrade the computers is between ten o'clock p.m. and eighto'clock a.m. when the computers are free. Q:Which of the following, if true, argues most strongly against the view that upgrades could be done more efficiently by scheduling them at night?	A. Energy costs in businesses are greatly lower at night than they are during the day B. More blackouts occur between midnight and eight o'clock in the morning than at any other time C. Over the course of a year, the company's computers will require periodical checks and upkeep D. Mental alertness is lower in the late night than during the day, especially in people not accustomed to working at night
17	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.
18	The area of the sector which contains an angle of 60° of circle of radius 7 cm, is:	A. 25 2/3 cm ² B. 27 2/3 cm ² C. 41 cm ² D. √3 5/28 cm ²
19	More sports journals are sold in Horn by than in Milston. Therefore, the residents of Horn by are better informed about major sporting events than are the residents or Milston. Q:Each of the following, if true, weakens the cor clu,on above EXCEPT:	A. Horn by has a larger population than Milston B. Most residents of Milston work in Horn by and buy their reading material there C. The average newsstand price of journals sold in Horn D. None of these
20	Question Image	A. 28 - 2 <i>x</i> B. 4(14 - 4 <i>x</i>) C. 48 - 3 <i>x</i>) D. 7(6 - 3 <i>x</i>)