

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	Activity levels of the green iguana vary in cycles that are repeated every 24 hours. It is logical to assume that alteration in the intensity of incident light is the stimulus that controls these daily biological rhythms. But there is much evidence to contradict this hypothesis. Q: Which of the following, if known, is evidence that contradicts the hypothesis stated above?	A. The temperature of the green iguana varies throughout the day, with the maximum occurring in the late afternoon and the minimum in the morning B. While some animals, such as the rabbit, are much more active during the day, others, such as moles, show greater activity at night C. When animals are transported from one time zone to another, their daily biological rhythms adjust in a matter of days to the periods of sunlight and darkness in the new zone D. Even when exposed to constant light intensity around the clock, some iguanas display rates of activity that are much greater during daylight hours than at night.
2	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 others 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
3	Harper's Pencils manufactures and sells the same pencils as Johnson's Supply. Employee wages account for forty percent of the cost of manufacturing pencils at both factories. Harper's is seeking a competitive edge over Johnson's supply. Therefore, to promote this end, Harper's should lower employee wages. Q: Which of the following, if true, seriously weakens the argument above?	A. Because they make a small number of specialty artist's pencils, pencil manufacturers cannot receive volume discounts on raw materials B. Lowering wages would reduce the quality of employee work and this reduced quality would lead to lowered sales C. Harper's Pencils has taken away twenty percent of Johnson's Supply business over the last year D. Johnson's Supply pays its employees, on average, ten percent more than does Harper's Pencils
4	Opponents of laws that require motorcycle riders to wear helmets argue that in a free society people have the rights to take risks as long as the people do not harm others as a result of taking the risks. As a result, they conclude that it should be each person's decision whether or not to wear a helmet. Q: Which of the following, if true, seriously weakens the conclusion drawn above?	A. Many new motorcycles are built with safety features that made them less likely to be involved in an accident B. Motorcycle insurance rates for all motorcycle owners are higher because of the need to pay for the increased injuries or deaths of people not wearing helmets C. Participants in certain extreme sports are required to wear helmets D. The rate of automobile fatalities in states that do not have mandatory helmet laws is greater than the rate of fatalities in states that do have such laws
5	The cost of manufacturing sports shoes in Macao is 25% less than the cost of manufacturing them in the Philippines. Even after transportation fees and tariff charges are added, it is still cheaper for a company to import sport shoes from Macao to the Philippines than to manufacture sports shoes in the Philippines	A. Labor costs in Macao are 25% below those in the Philippines B. Importing sports shoes from Macao to the Philippines will eliminate 25% of the manufacturing jobs in the Philippines C. The tariff on sports shoes imported from Macao to the Philippines is less than 25% of the cost of manufacturing them in the Philippines

manufacture sports shoes in the Philippines.

Q:The statements above, if true, best support which of the following assertions?

Philippines is less than 25% of the cost of manufacturing sports shoes in the Philippines

D. <div>The fee for transporting a pair of sports shoes from Macao to the Philippines is more than 25% of cost of manufacturing the shoes in Macao</div>

6

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 elders before 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

7

Many people claim that advertisements of alcoholic drinks influence young people to start drinking socially. In Iceland, however, where there has been a ban on the advertisement of alcoholic beverages since 1982, drinking is at least as prevalent among young people as it is in countries that do not have a similar ban.

Q:Which of the following statements draws the most reliable conclusion from the information above?

A. Advertising does not play a role in causing young people to start or continue drinking

B. Advertisements of alcoholic drinks cannot be the only factor that affects the prevalence of drinking among young people

C. Banning advertisements of alcoholic drinks does not reduce the consumption of alcoholic drinks

D. More youths drink if they are not exposed to advertisements of alcoholic drinks than if they are

8

In many hospitals, more and more monitoring is being carried out by automated equipment instead of human employees 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

9

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

10

Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received a passing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades. Q:The argument,above is flawed in that it ignored the possibility that.

A. A large number of the teacher's student were in his class the previous year

B. Many teachers find it difficult to be objective when assigning grades to male and female students

C. The evidence shows that more than 92% of the female students should have received a passing grade

D. The majority of tests written by female students and that have been

		rechecked by another teacher were given a higher grade by the second teacher
11	Many community colleges suffer declining enrollments during periods of economic recession. At government retraining programs, which are not provided free of charge, enrollment figures boom during these periods when many people have less money and there is more competition for jobs. Q:Each of the following, if true, helps to explain the enrollment increases in government retraining programs above EXCEPT:	A. <div>During periods of economic Slowdown, government retraining programs are more likely those community colleges to prepare their students for the jobs that are still available.</div> B. <div>During periods of economic prosperity, graduates of government retraining programs often continue their studies in community colleges</div> C. <div>Tuition at most government retraining programs is a fraction of that at community colleges</div> D. <div>Government retraining programs devote more resources than do other colleges to attracting those students especially affected by economic slowdowns.</div>
12	Excavations on the now uninhabited isle of Kelton reveal a scene typical of towns decimated by volcanic ash. Archaeologists have hypothesized that the destruction was due to volcanic activity known to have occurred in the vicinity of the island in 160 B. C. Q:Which of the following, if true, most strongly supports the archaeologist's hypothesis?	A. No coins minted after 160 B.C. were found in Kelton, but coins minted before that year were found in abundance B. Pieces of gold and pearl jewelry that are often found in graves dating from years preceding and following 160 B.C. were also found in several graves on the island. C. <div>Most modern histories of the region mention that several major volcanoes eruptions occurred near the island in 160 B.C.</div> D. <div>Several small jugs carved in styles popular in the region in the century between 200 B.C. and 100 B.C. were found in Kelton</div>
13	A famous painter has recently won a lawsuit against a major food manufacturer for commissioning a graphic designer to design the packaging of its chocolate chip cookies in the painter's distinctive style. As a result of the lawsuit, manufacturers will stop asking graphic artists to copy distinctive painting styles. Therefore, the cost of package design will rise because employing the services of known artists cost more than those of graphic designer that imitate their style. Q:The conclusion above is based on which of the following assumptions?	A. Most people are unable to distinguish a famous artist's illustration from that of a good graphic artist imitating the painter's style B. Manufacturers will use well-known painting styles in their packaging C. The original version of some well-knows paintings are unavailable for use in packaging D. Manufacturers will continue to use graphic artists to imitate the artistic style of famous painters
14	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 the argument 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 wheat
15	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.
16	Although the new cochleae manufactured by Medotech will cost more than twice as much as the cochlear implants now in use, Medotech implants should still be cost-effective. Not only will surgery and recovery time be reduced, but Medotech cochlear replacements should last longer, thereby reducing the need for further hospital stays.	A. <div>The amount of time a patient spends in surgery versus the amount of time spent recovering from surgery.</div><div>
</div> B. The amount by which the cost of producing Medotech cochlear replacements has declined with the introduction of the new technique for producing them

16	longer, thereby reducing the need for further hospital stays. Q: Which of the following must be studied in order to evaluate the argument presented above?	proceeding from C. The degree to which the use of Medotech cochlear replacements is likely to reduce the need for repeat surgery when compared with the use of the replacements now in use. D. The degree to which the use of Medotech replacements are more carefully manufactured than are the replacements now in use
17	At last month's symposium on the increasing air pollution affecting the Beaumont forest, most participating members favored uniform controls on the quality of exhaust fumes, whether or not specific environmental damage could be attributed to a particular source of fumes. What must, of course, be shown, in order to avoid excessively restrictive controls, is that _____ Q: Which of the following, best completes the passage below?	A. Any uniform controls that are adopted are likely to be implemented without delay B. Environmental damage already inflicted on the Beaumont forest is reversible C. The members favoring uniform controls are those representing bodies that generate the largest quantities of exhaust fumes D. Any substance to be made subject to controls can actually cause environmental damage
18	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 of Milston. Q: Each of the following, if true, weakens the conclusion 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
19	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 penalization for 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
20	Health club membership has increased dramatically over the last five years. In order to take advantage of this increase, Fitness Express plans to open more of the same types of classes available during the week, while continuing its already very extensive advertising in newspapers and on the radio. Q: Which of the following if true, provides most support for the view that Fitness Express cannot increase membership on its gyms by adopting the plan outlined above?	A. Although it fills of the classes it opens, Fitness Express's share of all health club memberships has declined over the last five years B. Fitness Express number of classes offered to their clients has declined slightly over the last year C. Advertising has made the name of Fitness Express widely known, but few customers know that Fitness Express health clubs also offer acupuncture and shiatsu treatments D. Despite a slight decline in membership price, sales of Fitness Express memberships have fallen in the last five years
21	The CEO of a large multinational firm wants to maximize revenues and increase sales. The production director, however, believes that increased production would only drive down the product price and lower revenues. Q: Which of the following represents the logical flaw in director's reasoning?	A. The director assumes the plant at the firm is old fashioned B. He assumes that production goals are similar to financial goals C. He assumes that the supply produced by a single company can significantly affect the aggregate supply for the market D. He assumes that they are market leader with a share of more than ninety percent of the aggregate sales
22	Researchers have found an inactive virus in dry bread. In previous experiments, researchers found that inactivated viruses could convert healthy cells into cancer cells. It can be concluded that the use of dry bread can cause cancer. Q: Which one of the following, if true, most seriously weakens the argument?	A. The results of many studies about the same topic were consistent B. Many other ingredients of dry bread can neutralize the effect of inactive virus C. Many of cancer patients confirmed the use of dry bread D. Ten percent of rural population use dry bread
		A. Compared to other types of some

23	Gas heater in bedrooms has long been the main cause of home fires. Despite a significant decline in gas heaters in the last two decades, there has been no comparable decline in the number of people killed in home fires. Q:Each one of the following statements, if true over the last two decades, helps to resolve the apparent discrepancy above EXCEPT:	A. Compared to other types of home fires, home fires caused by gas heaters in bedrooms usually cause relatively little damage before they are extinguished B. Population densities have increased, with the result that one home fire can cause more deaths than in previous decades C. Gas heater users often sleep in the morning D. Home fires caused by gas heaters in bedroom often break out after the residents have fallen asleep
24	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 money from his father
25	When I arrived at the college last week, the behavior of the students was so poor that I was shocked. The student population is completely lacking in good social skills. Q:Which of the following, if true, would weaken the above conclusion?	A. Students on boarding are often rude B. Students of sciences are often rude C. Social skills should not be expected of college students D. The enrolment in an ordinary college is more than 10,000, even in a small city in Pakistan
26	Traveling by cars is safer than traveling by planes. Eighty percent of plane accidents result in death of all passengers, while only one percent of car accidents result in death. Q:Which of the following, if true, would most seriously weaken the argument above?	A. Planes are inspected by experienced engineers before flying B. The number of car accidents is several thousand times higher than the number of plane accidents C. Pilots are more trained than car drivers are D. Speed of car is lesser than that of planes
27	Rizwana has never received a violation ticket from the traffic police during her 10-year driving experience. Rizwana must be a great driver. Q:Which of the following can be said about the reasoning above?	A. Rizwana is a slow driver B. Rizwana's brother is in Pakistan naval forces at a high rank, so police do not issue ticket to her C. Rizwana has high tech car D. More information is required to give the argument
28	Unreported underground industries get no productivity support from the government. On the other hand, some industries that are run entirely by self-employed industrialists are included in national productivity measures. Q: From the information given above, it can be validly concluded that	A. All self-employed industries are underground B. Underground industries should be banned because of their low productivity C. there are at least some industries other than those run entirely by self-employed industrialists that are underground industries D. Underground industries should be merged in large industries
29	Although most of the lucrative jobs in Pakistan will require a college degree, many of the new jobs require knowledge other than that gained in college or university. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career. Q:From the information given above it can be validly concluded that, in today's economy.	A. Employment agencies should conduct communication and mathematics classes B. All colleges and universities are worthless C. People should train their children for technical work D. Skills in reading, communication, and mathematics play an important role in developing a successful career
30	A study of residents in Gujrat found that one fourth of the children developed considerable levels of nearsightedness five years after starting school, while their illiterate age fellows, who had no opportunity for formal schooling, showed no signs of this disability. Q:If the above statements are true, which of the following conclusions is most strongly supported by them?	A. Only literate people are nearsighted B. Almost all schools in Gujrat are surrounded by forests C. Visual stress required by reading causes nearsightedness D. One-third of the children are illiterate