

LOGICAL CONCLUSION QUESTIONS

Ø6 2017

Q561

Which of the following most logically completes the passage?

Most bicycle helmets provide good protection for the top and back of the head, but little or no protection for the temple regions on the sides of the head. A study of head injuries resulting from bicycle accidents showed that a large proportion were caused by blows to the temple area. Therefore, if bicycle helmets protected this area, the risk of serious head injury in bicycle accidents would be greatly reduced, especially since _____.

- (A) among the bicyclists included in the study's sample of head injuries, only a very small proportion had been wearing a helmet at the time of their accident
- (B) even those bicyclists who regularly wear helmets have a poor understanding of the degree and kind of protection that helmets afford
- (C) a helmet that included protection for the temples would have to be somewhat larger and heavier than current helmets
- (D) the bone in the temple area is relatively thin and impacts in that area are thus very likely to cause brain injury
- (E) bicyclists generally land on their arm or shoulder when they fall to the side, which reduces the likelihood of severe impacts on the side of the head

Q562

Which of the following most logically completes the argument?

In a typical year, Innovair's airplanes are involved in 35 collisions while parked or being towed in airports, with a resulting yearly cost of \$1,000,000 for repairs.

To reduce the frequency of ground collisions, Innovair will begin giving its ground crews additional training, at an annual cost of \$500,000. Although this will cut the number of ground collisions by about half at best, the drop in repair costs can be expected to be much greater, since _____

- (A) most ground collisions happen when ground crews are rushing to minimize the time a delayed plane spends on the ground.
- (B) a ground collision typically occurs when there are no passengers on the airplane.
- (C) the additional training will focus on helping ground crews avoid those kinds of ground collisions that cause the most costly damage.
- (D) the \$500,000 cost figure for the additional training of ground crews includes the wages that those crews will earn during the time spent in actual training.
- (E) most ground collisions have been caused by the least experienced ground-crew members

Q576

Which of the following most logically completes the argument?

Ferber's syndrome, a viral disease that frequently affects cattle, is transmitted to these animals through infected feed. Even though chickens commercially raised for meat are often fed the type of feed identified as the source of infection in cattle, Ferber's syndrome is only rarely observed in chickens. This fact, however, does not indicate that most chickens are immune to the virus that causes Ferber's syndrome, since _____.

- (A) chickens and cattle are not the only kinds of farm animal that are typically fed the type of feed liable to be contaminated with the virus that causes Ferber's syndrome
- (B) Ferber's syndrome has been found in animals that have not been fed the type of feed liable to be contaminated with the virus that can cause the disease
- (C) resistance to some infectious organisms such as the virus that causes Ferber's syndrome can be acquired by exposure to a closely related infectious organism
- (D) chickens and cattle take more than a year to show symptoms of Ferber's syndrome, and chickens commercially raised for meat, unlike cattle, are generally brought to market during the first year of life
- (E) the type of feed liable to be infected with the virus that causes Ferber's syndrome generally constitutes a larger proportion of the diet of commercially raised chickens than of commercially raised cattle

Q577

Which of the following most logically completes the argument below?

Although the number of large artificial satellites orbiting the Earth is small compared to the number of small pieces of debris in orbit, the large satellites interfere more seriously with telescope observations because of the strong reflections they produce. Because many of those large satellites have ceased to function, the proposal has recently been made to eliminate interference from nonfunctioning satellites by exploding them in space. This proposal, however, is ill conceived, since

- (A) many nonfunctioning satellites remain in orbit for years
- (B) for satellites that have ceased to function, repairing them while they are in orbit would be prohibitively expensive
- (C) there are no known previous instances of satellites' having been exploded on purpose
- (D) the only way to make telescope observations without any interference from debris in orbit is to use telescopes launched into extremely high orbits around the Earth
- (E) a greatly increased number of small particles in Earth's orbit would result in a blanket of reflections that would make certain valuable telescope observations impossible

Q583

Which of the following most logically completes the argument?

Sviatovin is a medieval Moringian text whose author and exact date of composition are unknown. However, the events in the life of Prince Sviatov that the text describes occurred in 1165, and in the diagram of Sviatov's family that accompanies the text his father, who died in 1167, is identified as still living. Thus *Sviatovin* must have been written between 1165 and 1167, assuming that _____

- (A) the life of Prince Sviatov is not the subject of any other medieval Moringian texts
- (B) the author of *Sviatovin* intended it to provide as accurate a report about Prince Sviatov's exploits as possible
- (C) the diagram accurately represents the composition of Sviatov's family at the time *Sviatovin* was written
- (D) *Sviatovin* is the earliest Moringian text whose composition can be dated to within a few years
- (E) *Sviatovin* was not written by Sviatov's father himself

Q588

Which of the choices most logically completes the following argument?

NowNews, although still the most popular magazine covering cultural events in Kalopolis, has recently suffered a significant drop in advertising revenue because of falling circulation. Many readers have begun buying a competing magazine that, at 50 cents per copy, costs less than *NowNews* at \$1.50 per copy. In order to boost circulation and thus increase advertising revenue, *NowNews*'s publisher has proposed making it available at no charge. However, this proposal has a serious drawback, since _____.

- (A) Those Kalopolis residents with the greatest interest in cultural events are regular readers of both magazines.
- (B) One reason *NowNews*'s circulation fell was that its competitor's reporting on cultural events was superior.
- (C) The newsstands and stores that currently sell *NowNews* will no longer carry it if it is being given away for free.
- (D) At present, 10 percent of the total number of copies of each issue of *NowNews* are distributed free to students on college campuses in the Kalopolis area.
- (E) *NowNews*'s competitor would begin to lose large amounts of money if it were forced to lower its cover price.

Q593

Which of the following most logically completes the argument below?

Davison River farmers are currently deciding between planting winter wheat this fall or spring wheat next spring. Winter wheat and spring wheat are usually about equally profitable. Because of new government restrictions on the use of Davison River water for irrigation, per acre yields for winter wheat, though not for spring wheat, would be much lower than average. Therefore, planting spring wheat will be more profitable than planting winter wheat, since _____.

- (A) the smaller-than-average size of a winter wheat harvest this year would not be compensated for by higher winter wheat prices
- (B) new crops of spring wheat must be planted earlier than the time at which standing crops of winter wheat are ready to be harvested
- (C) the spring wheat that farmers in the Davison River region plant is well adapted to the soil of the region
- (D) spring wheat has uses that are different from those of winter wheat
- (E) planting spring wheat is more profitable than planting certain other crops, such as rye

Q601

Which of the following most logically completes the passage?

A recent government study links the high rates of respiratory ailments in Groverston to airborne pollutants released by the Woodco plywood manufacturing plant there. To address the problem, the government imposed strict regulations on emissions which will go into effect in four years. Although Woodco plans to cut its emissions in half two years ahead of schedule, it is unlikely that the rate of respiratory ailments will decline before the regulations go into effect, since _____.

- (A) the number of facilities capable of treating respiratory ailments is not likely to increase
- (B) reducing emissions even further than planned would necessitate decreasing production at Woodco
- (C) it is difficult to make accurate, long-term predictions about emissions
- (D) not all respiratory ailments are caused by airborne pollutants
- (E) three new plywood manufacturing plants are about to go into production in Groverston

Q603

Which of the following most logically completes the passage?

Pecan growers get a high price for their crop when pecans are comparatively scarce, but the price drops sharply when pecans are abundant. Thus, in high-yield years, growers often hold back part of their crop in refrigerated warehouses for one or two years, hoping for higher prices in the future. This year's pecan crop was the smallest in five years. It is nonetheless quite possible that a portion of this year's crop will be held back, since _____.

- (A) each of the last two years produced record- breaking pecan yields
- (B) the quality of this year's pecan crop is no worse than the quality of the pecan crops of the previous five years
- (C) pecan prices have not been subject to sharp fluctuations in recent years
- (D) for some pecan growers, this year's crop was no smaller than last year's
- (E) the practice of holding back part of one year's crop had not yet become widespread the last time the pecan crop was as small as it was this year

Q605

Which of the following most logically completes the argument?

By competing with rodents for seeds, black ants help control rodent populations that pose a public health risk. However, a very aggressive species of black ant, the Loma ant, which has recently invaded a certain region, has a venomous sting that is often fatal to humans. Therefore, the planned introduction into that region of ant flies, which prey on Loma ants, would benefit public health, since _____.

- (A) ant flies do not attack black ants other than Loma ants
- (B) Loma ants are less effective than many bird species in competing with rodents for seeds
- (C) certain other species of black ants are more effective than Loma ants in competing with rodents for seeds
- (D) the sting of Loma ants can also be fatal to rodents
- (E) some pesticides that could be used to control Loma ants are harmful to the environment

Q609

Which of the following most logically completes the argument below?

Using broad-spectrum weed killers on weeds that are competing with crops for sunlight, water, and nutrients presents a difficulty: how to keep the crop from being killed along with the weeds. For at least some food crops, specially treated seed that produces plants resistant to weed killers is under development. This resistance wears off as the plants mature. Therefore, the special seed treatment will be especially useful for plants that _____.

- (A) produce their crop over an extended period of time, as summer squash does
- (B) produce large seeds that are easy to treat individually, as corn and beans do
- (C) provide, as they approach maturity, shade dense enough to keep weeds from growing
- (D) are typically grown in large tracts devoted to a single crop
- (E) are cultivated specifically for the seed they produce rather than for their leaves or roots

Q611

Which of the following most logically completes the argument given below?

People in isolated rain-forest communities tend to live on a largely vegetarian diet, and they eat little salt. Few of them suffer from high blood pressure, and their blood pressure does not tend to increase with age, as is common in industrialized countries. Such people often do develop high blood pressure when they move to cities and adopt high-salt diets. Though suggestive, these facts do not establish salt as the culprit in high blood pressure, however, because _____.

- (A) genetic factors could account for the lack of increase of blood pressure with age among such people
- (B) people eating high-salt diets and living from birth in cities in industrialized societies generally have a tendency to have high blood pressure
- (C) it is possible to have a low-salt diet while living in a city in an industrialized country
- (D) there are changes in other aspects of diet when such people move to the city
- (E) salt is a necessity for human life, and death can occur when the body loses too much salt

Q613

Which of the following most logically completes the argument?

The attribution of the choral work *Lacrimae* to the composer Pescard (1400–1474) has been regarded as tentative, since it was based on a single treatise from the early 1500s that named Pescard as the composer. Recently, several musical treatises from the late 1500s have come to light, all of which name Pescard as the composer of *Lacrimae*. Unfortunately, these newly discovered treatises lend no support to the attribution of *Lacrimae* to Pescard, since .

(A) the treatise from the early 1500s misidentifies the composers of some of the musical works it considers

(B) the author of the treatise from the early 1500s had no very strong evidence on which to base the identification of Pescard as the composer of *Lacrimae*

(C) there are works that can conclusively be attributed to Pescard that are not even mentioned in the treatise from the early 1500s

(D) the later treatises probably had no source for their attribution other than the earlier treatise

(E) no known treatises from the 1600s identify Pescard as the composer of *Lacrimae*

Q652

Which of the following most logically completes the argument?

The irradiation of food kills bacteria and thus retards spoilage. However, it also lowers the nutritional value of many foods. For example, irradiation destroys a significant percentage of whatever vitamin B1 a food may contain. Proponents of irradiation point out that irradiation is no worse in this respect than cooking. However, this fact is either beside the point, since much irradiated food is eaten raw, or else misleading, since .

(A) many of the proponents of irradiation are food distributors who gain from foods' having a longer shelf life

(B) it is clear that killing bacteria that may be present on food is not the only effect that irradiation has

(C) cooking is usually the final step in preparing food for consumption, whereas irradiation serves to ensure a longer shelf life for perishable foods

(D) certain kinds of cooking are, in fact, even more destructive of vitamin B1 than carefully controlled irradiation is

(E) for food that is both irradiated and cooked, the reduction of vitamin B1 associated with either process individually is compounded

OG 2016

Q33

Which of the following most logically completes the argument below?

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Q44

Which of the following best completes the passage below?

The computer industry's estimate that it loses millions of dollars when users illegally copy programs without paying for them is greatly exaggerated. Most of the illegal copying is done by people with no serious interest in the programs. Thus, the loss to the industry is quite small, because _____.

- (A) many users who illegally copy programs never find any use for them
- (B) most people who illegally copy programs would not purchase them even if purchasing them were the only way to obtain them
- (C) even if the computer industry received all the revenue it claims to be losing, it would still be experiencing financial difficulties
- (D) the total market value of all illegal copies is low in comparison to the total revenue of the computer industry
- (E) the number of programs that are frequently copied illegally is low in comparison to the number of programs available for sale

Q46

Which of the following best completes the passage below?

When the products of several competing suppliers are perceived by consumers to be essentially the same, classical economics predicts that price competition will reduce prices to the same minimal levels and all suppliers' profits to the same minimal levels. Therefore, if classical economics is true, and given suppliers' desire to make as much profit as possible, it should be expected that _____.

- (A) in a crowded market widely differing prices will be charged for products that are essentially the same as each other
- (B) as a market becomes less crowded as suppliers leave, the profits of the remaining suppliers will tend to decrease
- (C) each supplier in a crowded market will try to convince consumers that its product differs significantly from its competitors' products.
- (D) when consumers are unable to distinguish the products in a crowded market, consumers will judge that the higher-priced products are of higher quality
- (E) suppliers in crowded markets will have more incentive to reduce prices and thus increase sales than to introduce innovations that would distinguish their product from their competitors' products

OG 2015

Q55

Which of the following most logically completes the argument given below?

People in isolated rain-forest communities tend to live on a largely vegetarian diet, and they eat little salt. Few of them suffer from high blood pressure, and their blood pressure does not tend to increase with age, as is common in industrialized countries. Such people often do develop high blood pressure when they move to cities and adopt high-salt diets. Though suggestive, these facts do not establish salt as the culprit in high blood pressure, however, because _____.

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